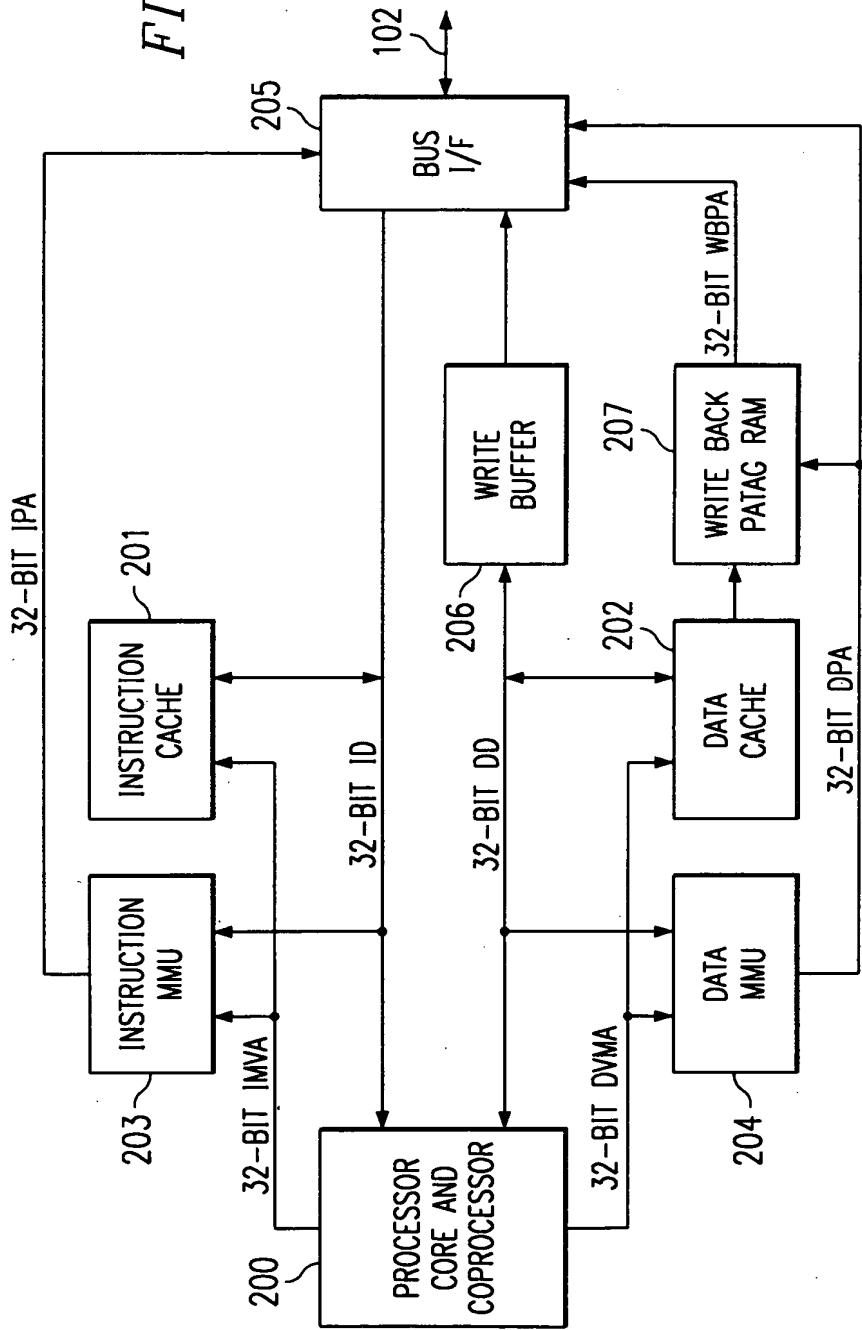


FIG. 1

FIG. 2



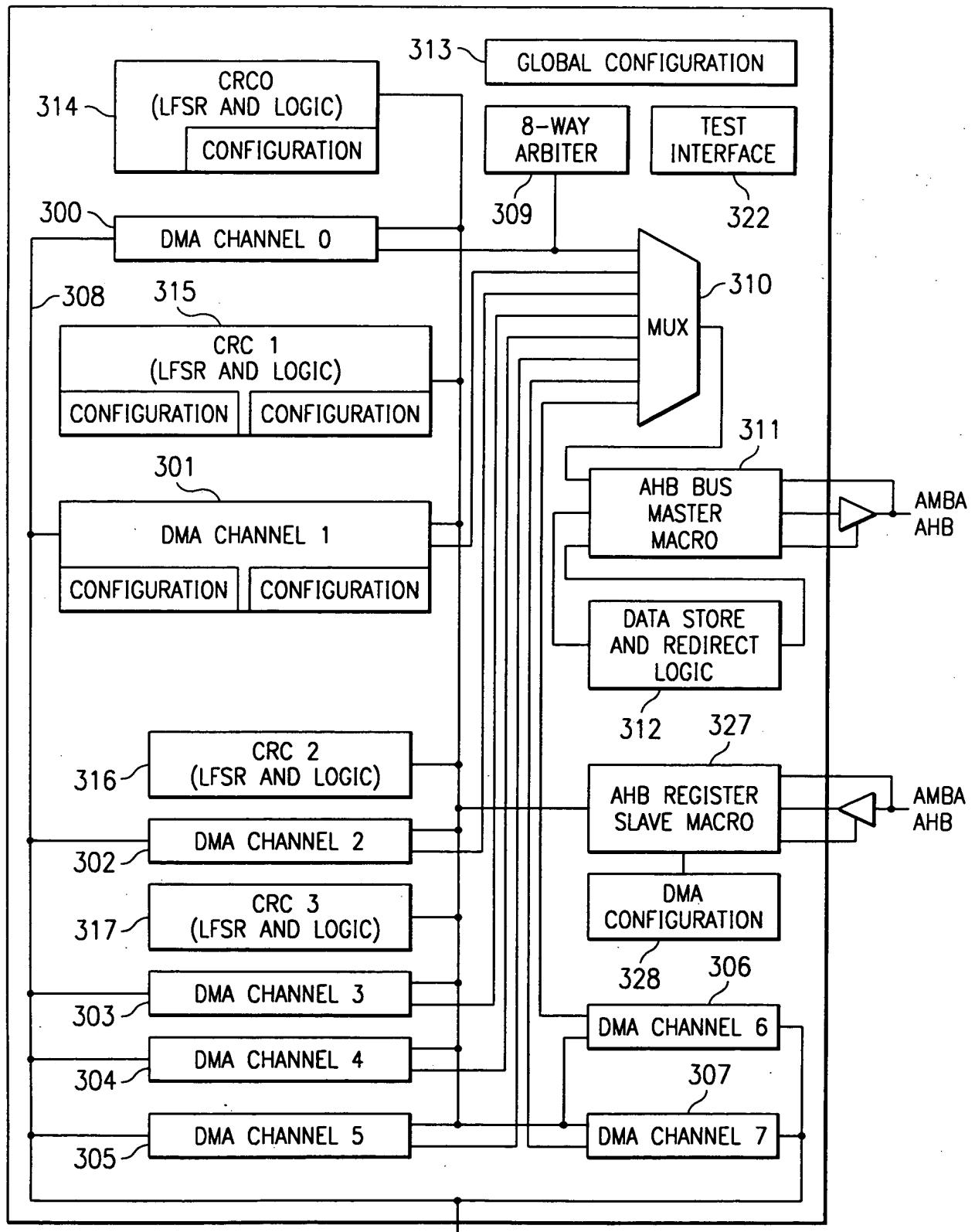


FIG. 3A

RESOURCE  
REQUEST

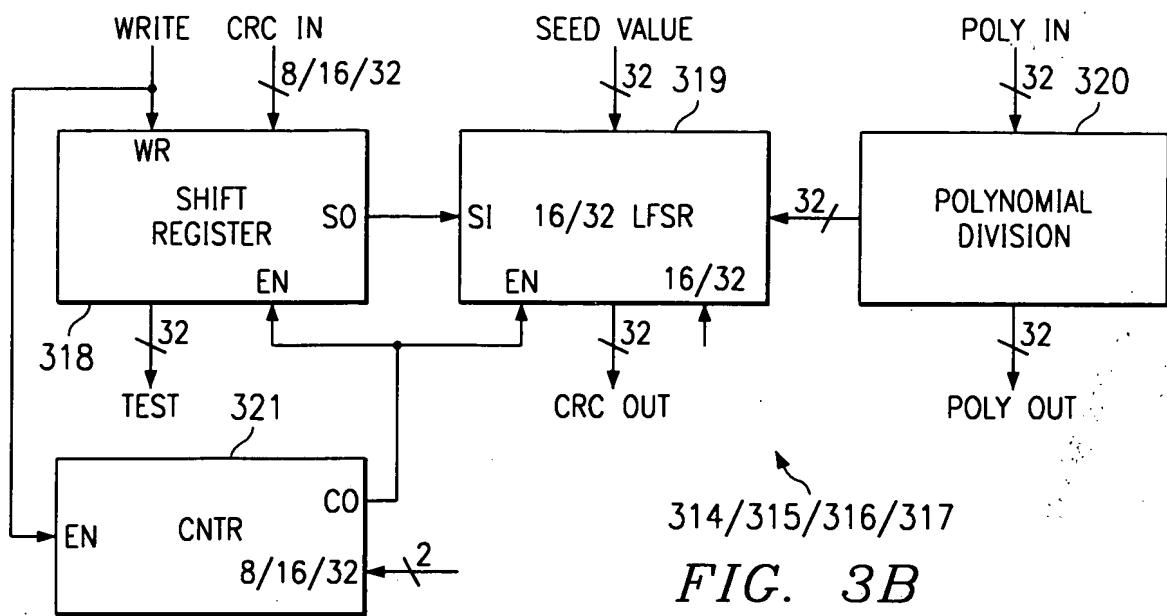


FIG. 3B

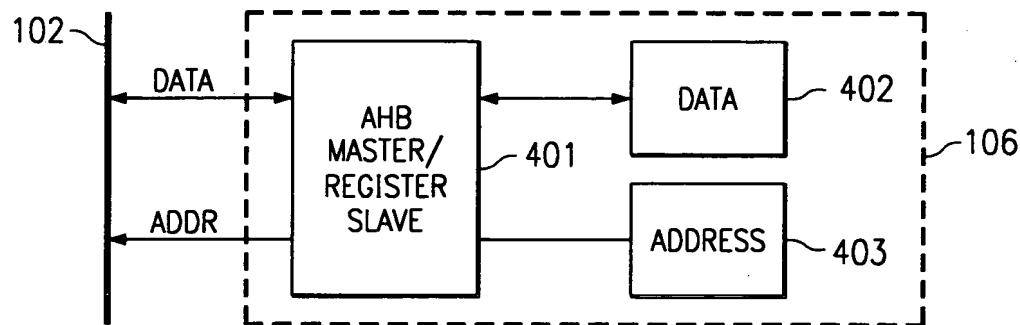


FIG. 4A

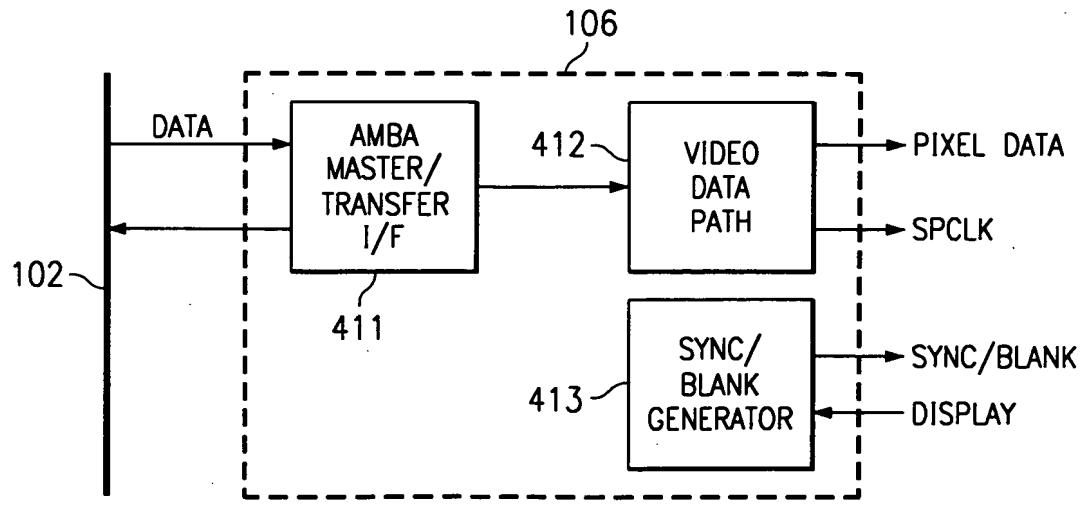


FIG. 4C

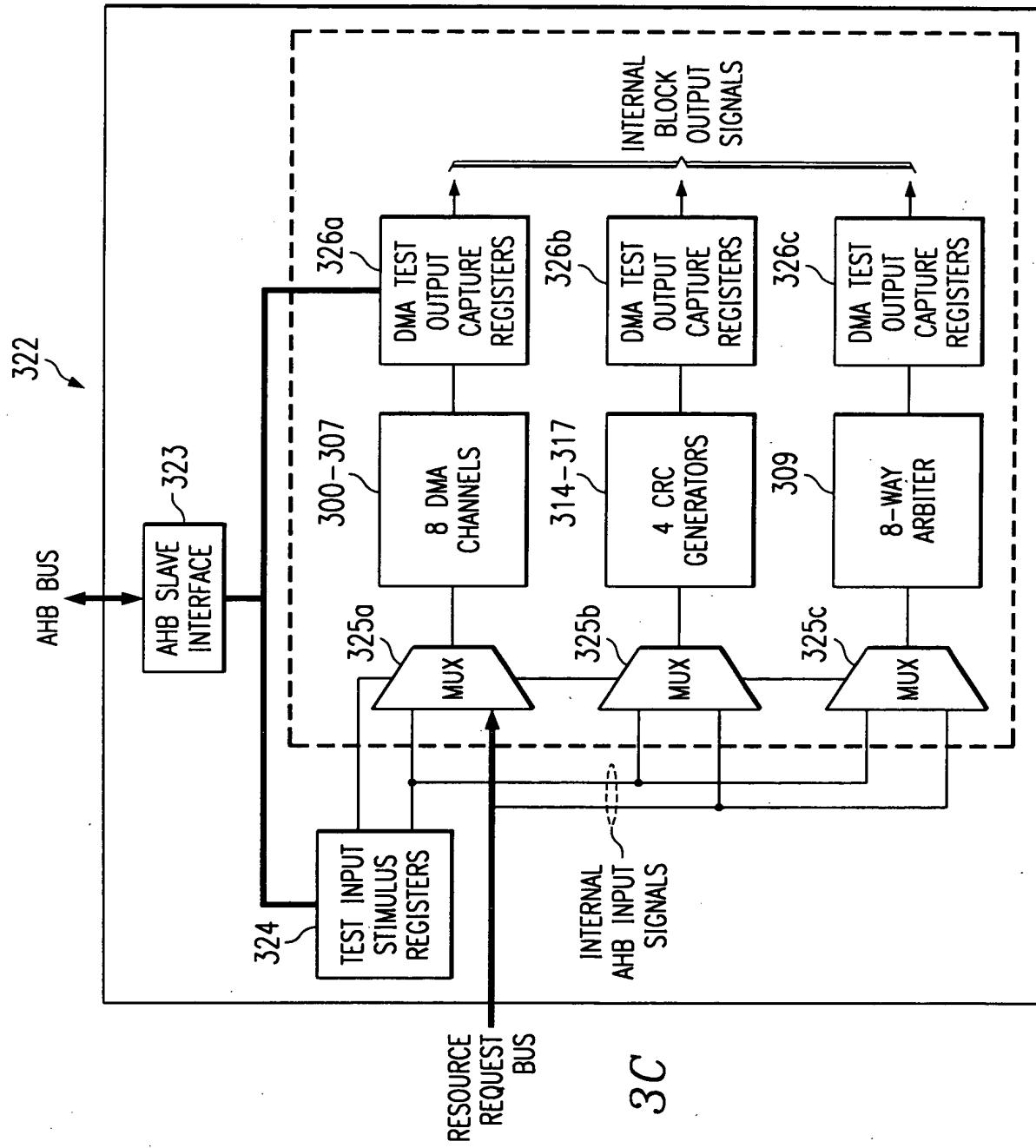


FIG. 3C

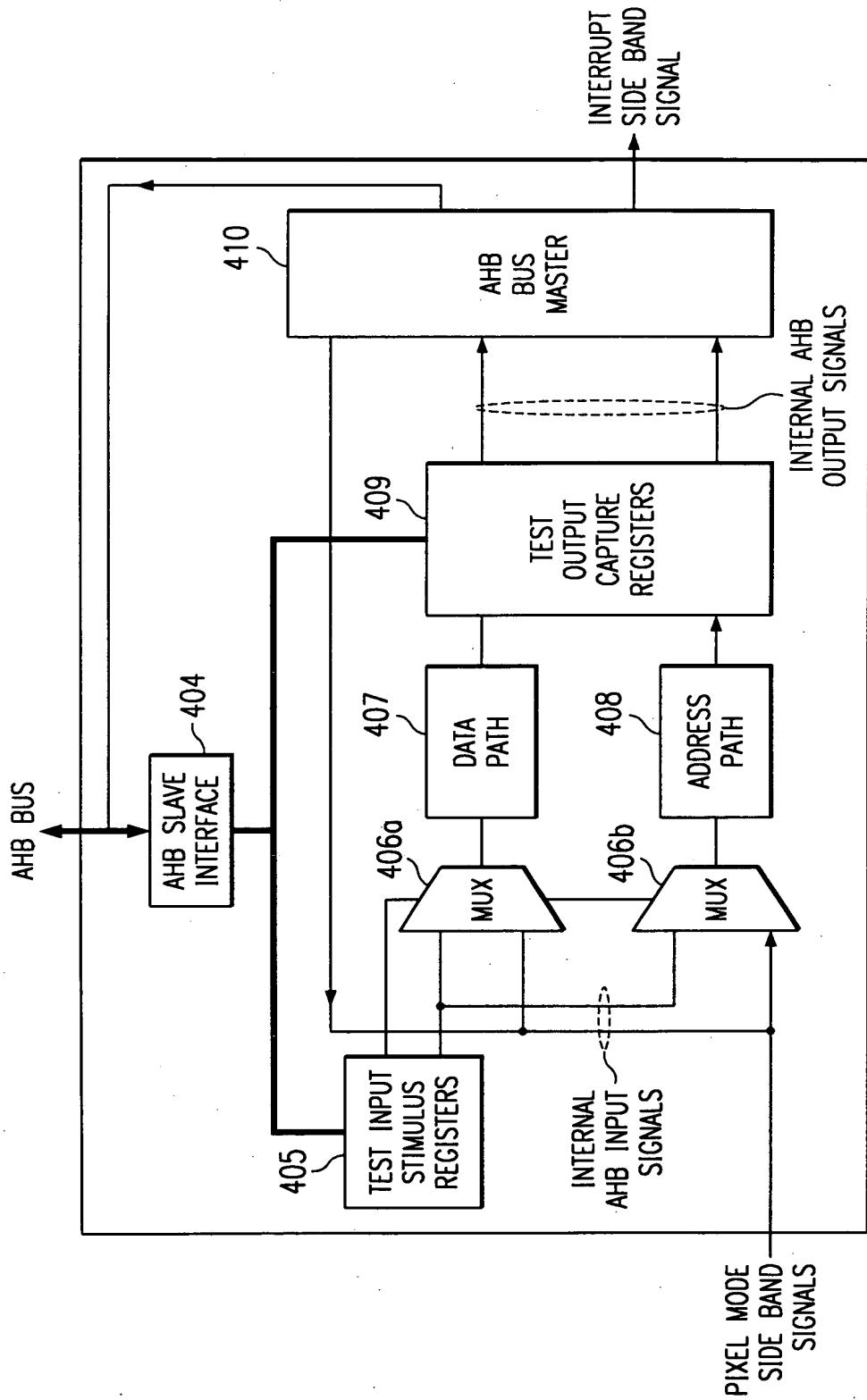


FIG. 4B

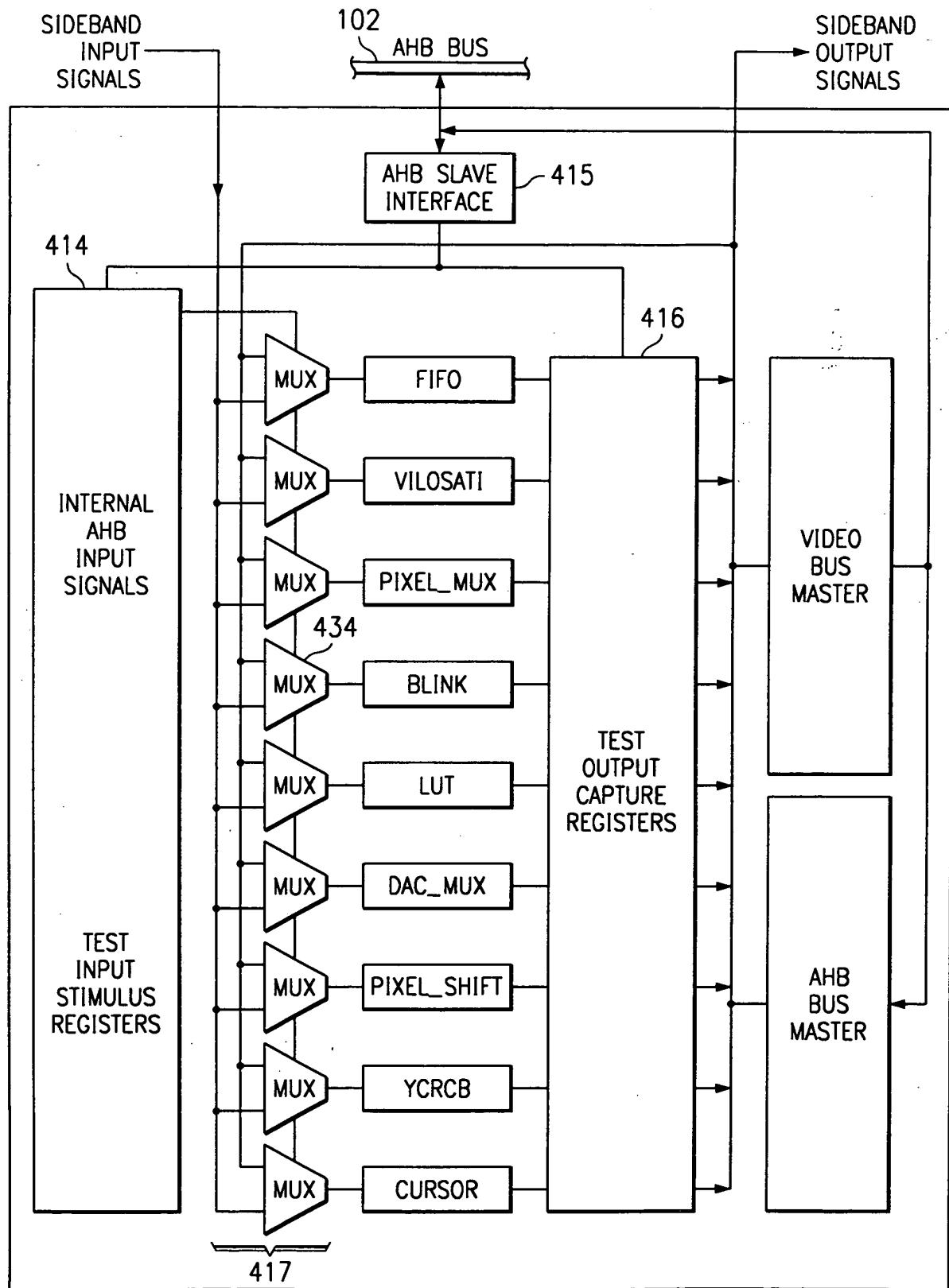


FIG. 4D

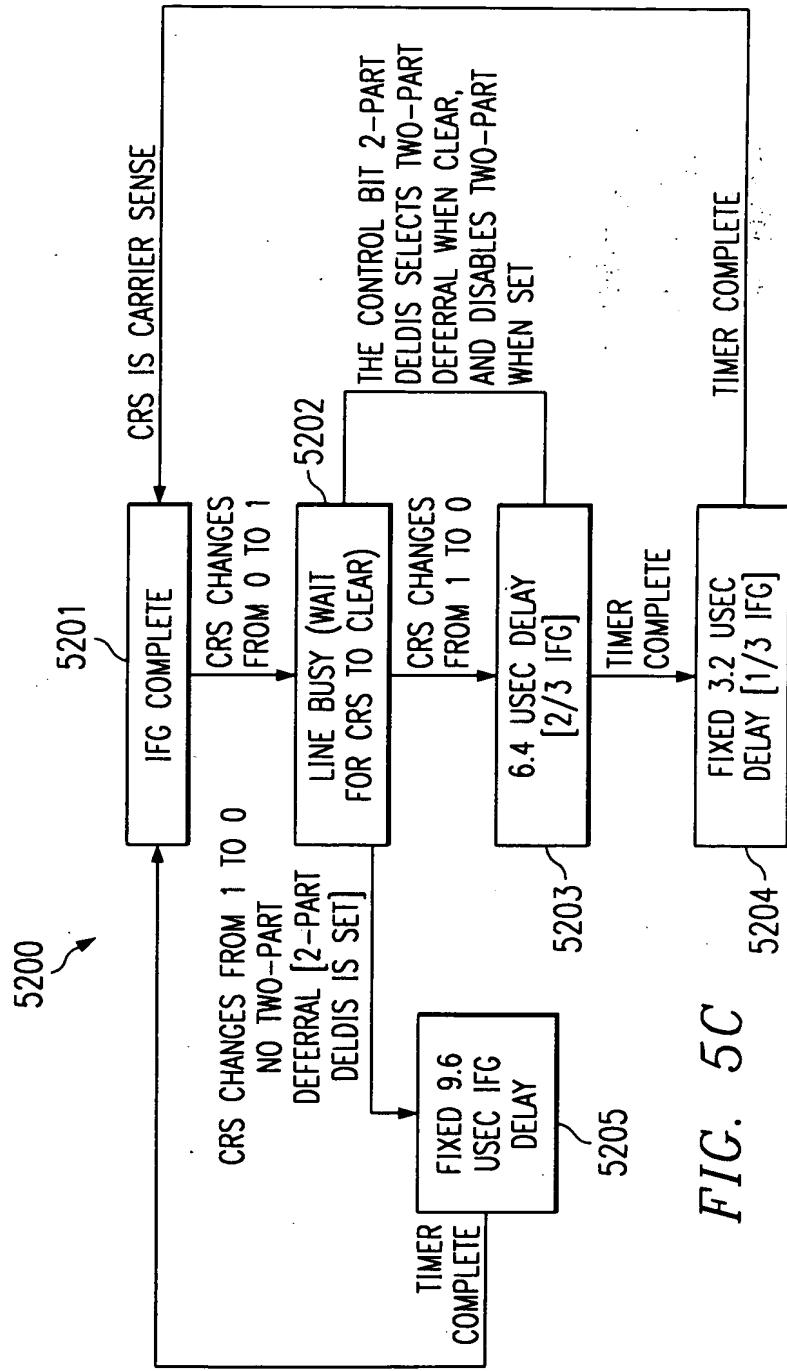
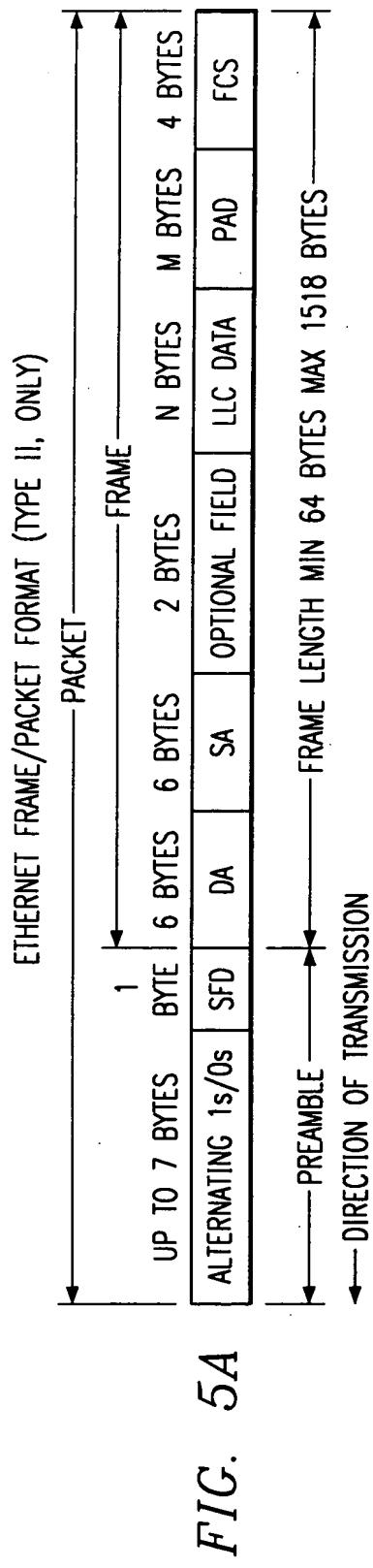


FIG. 5C

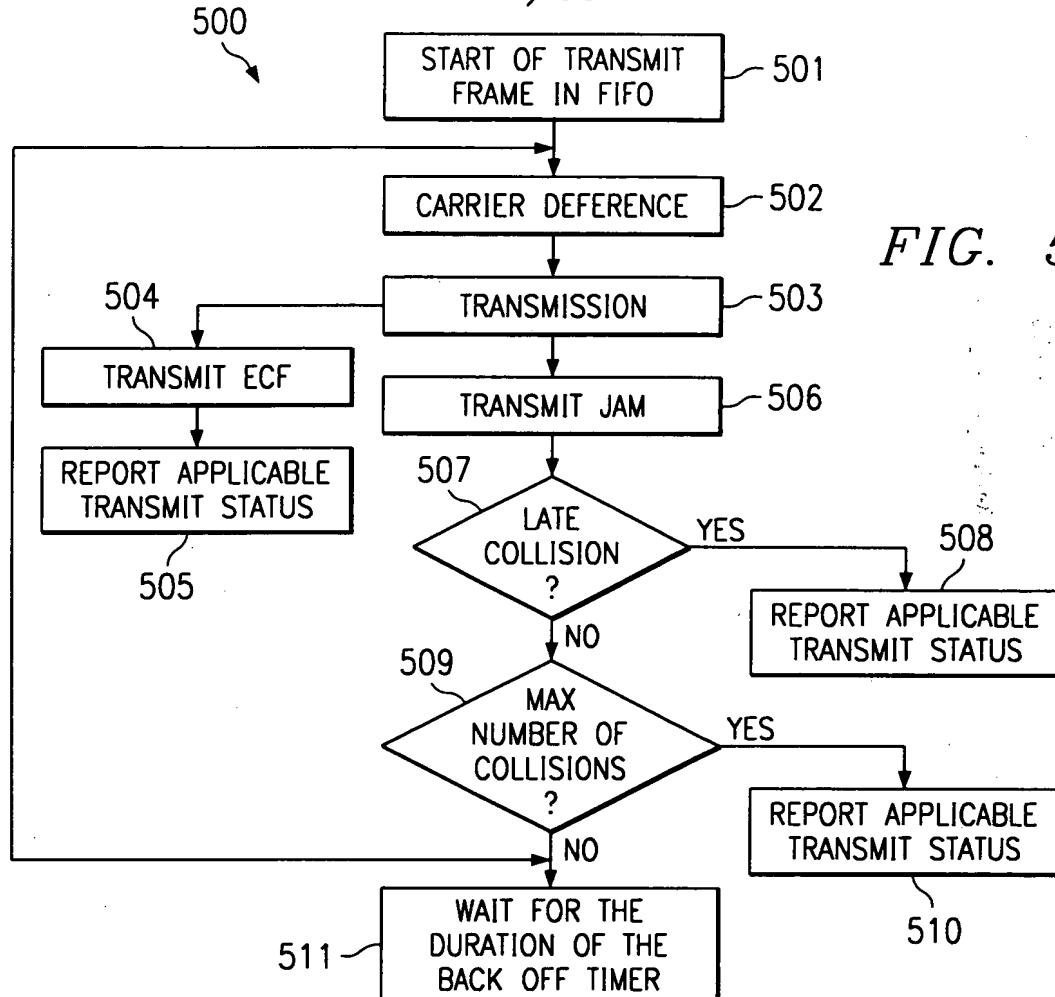
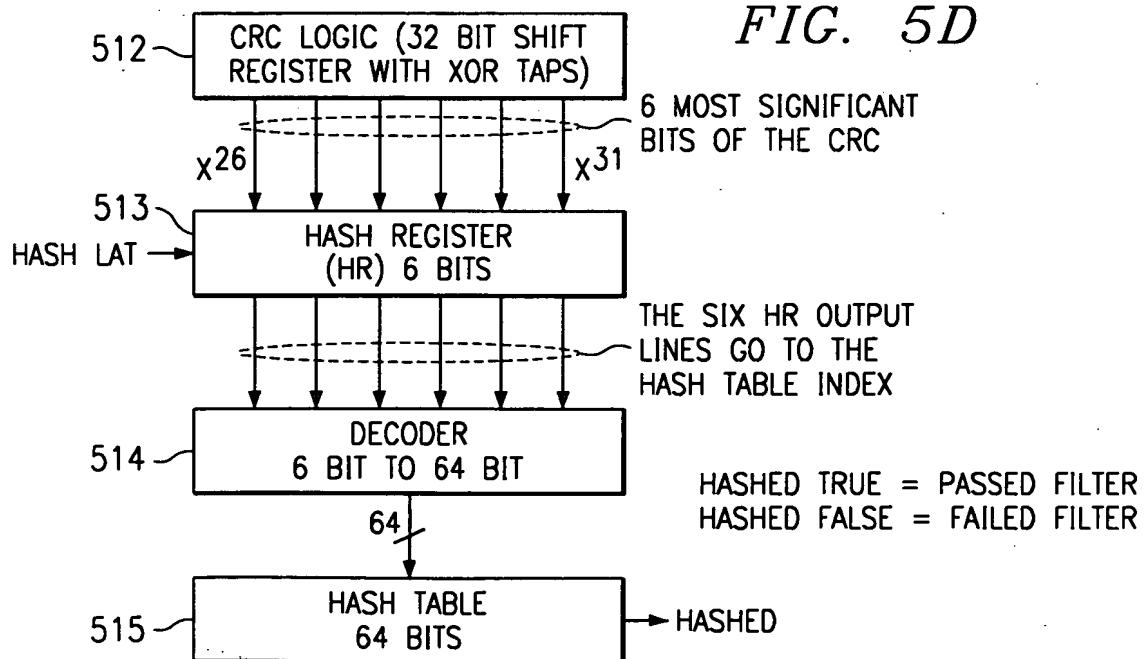


FIG. 5D



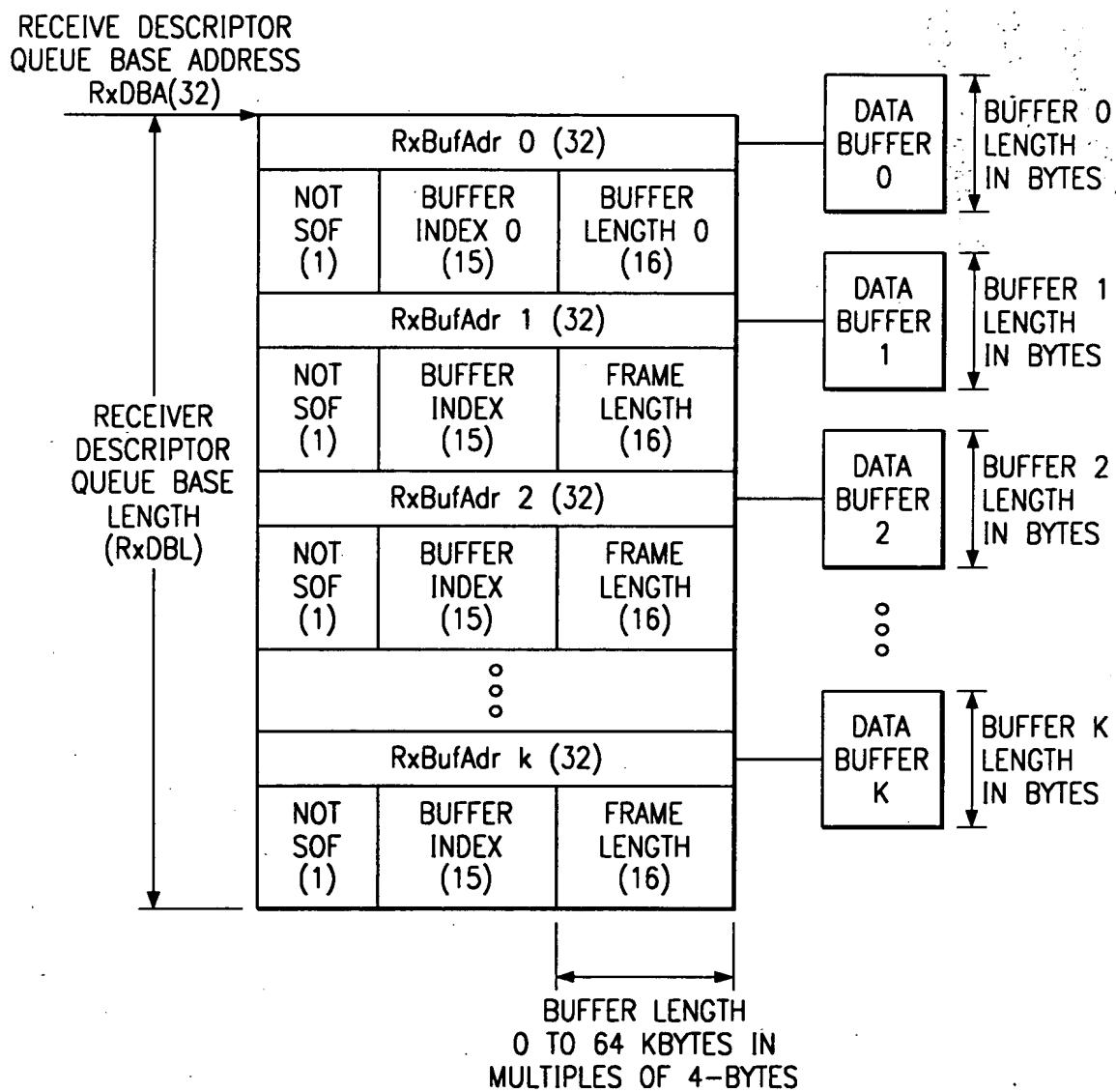


FIG. 5E

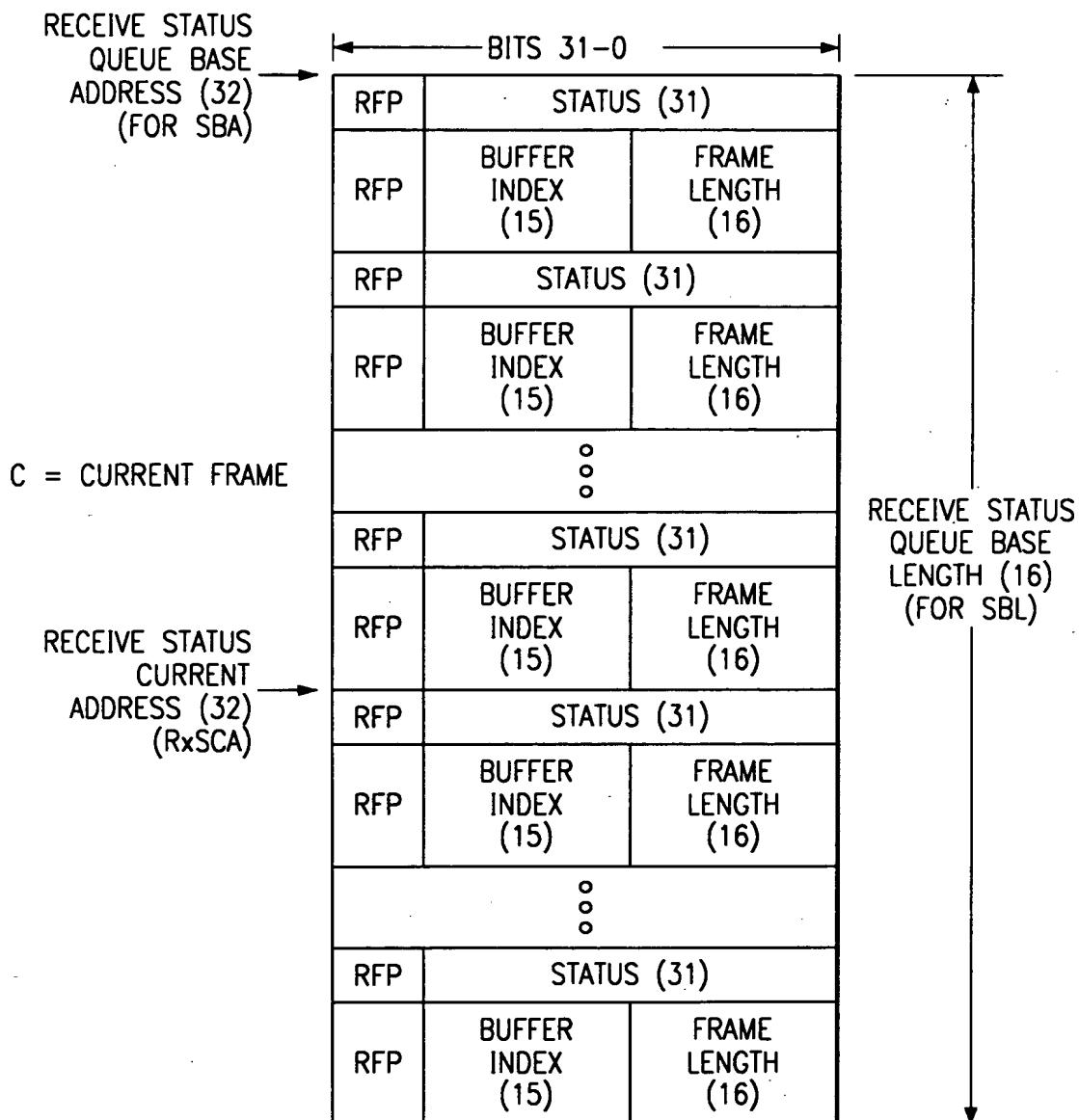


FIG. 5F

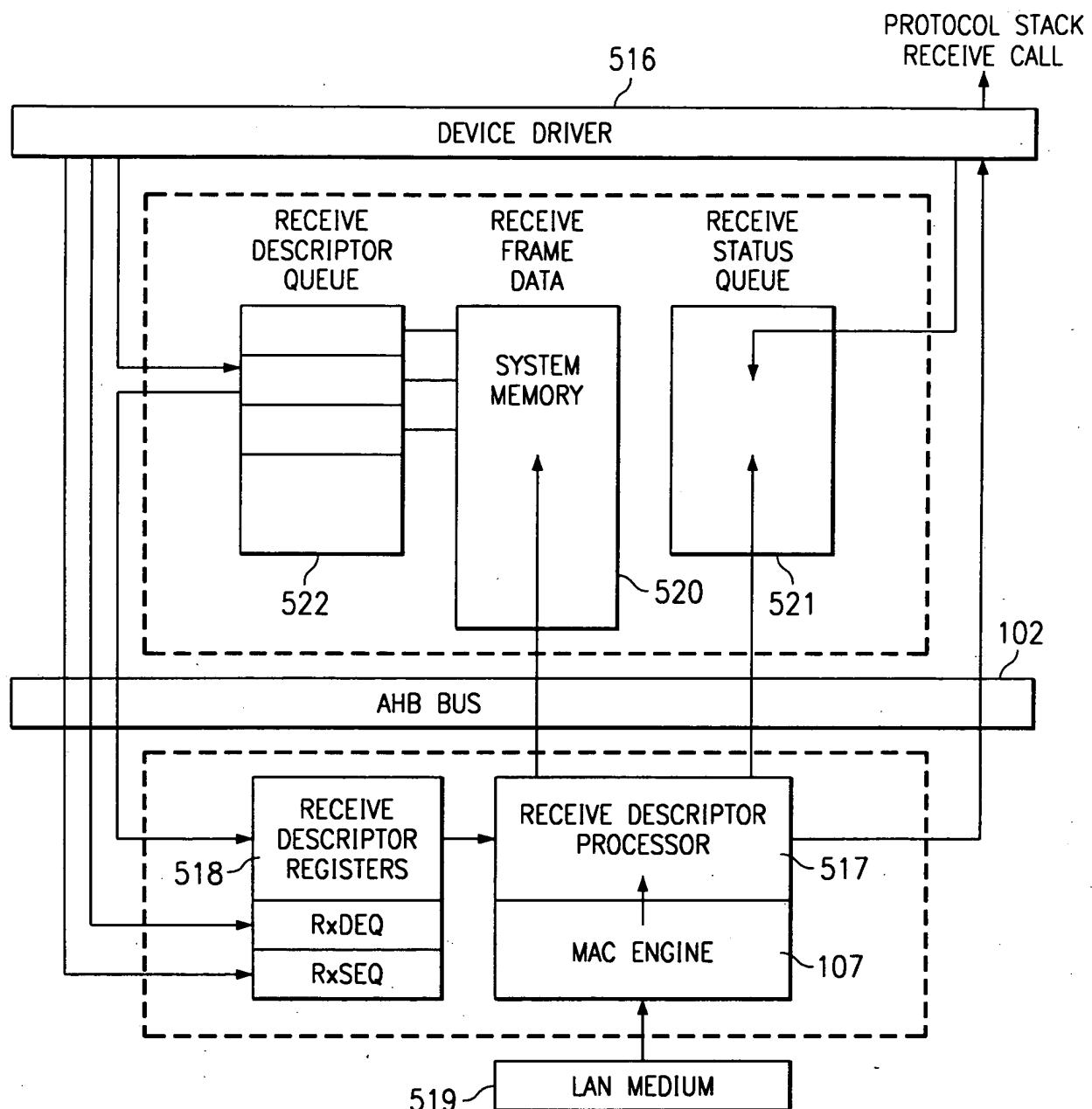


FIG. 5G

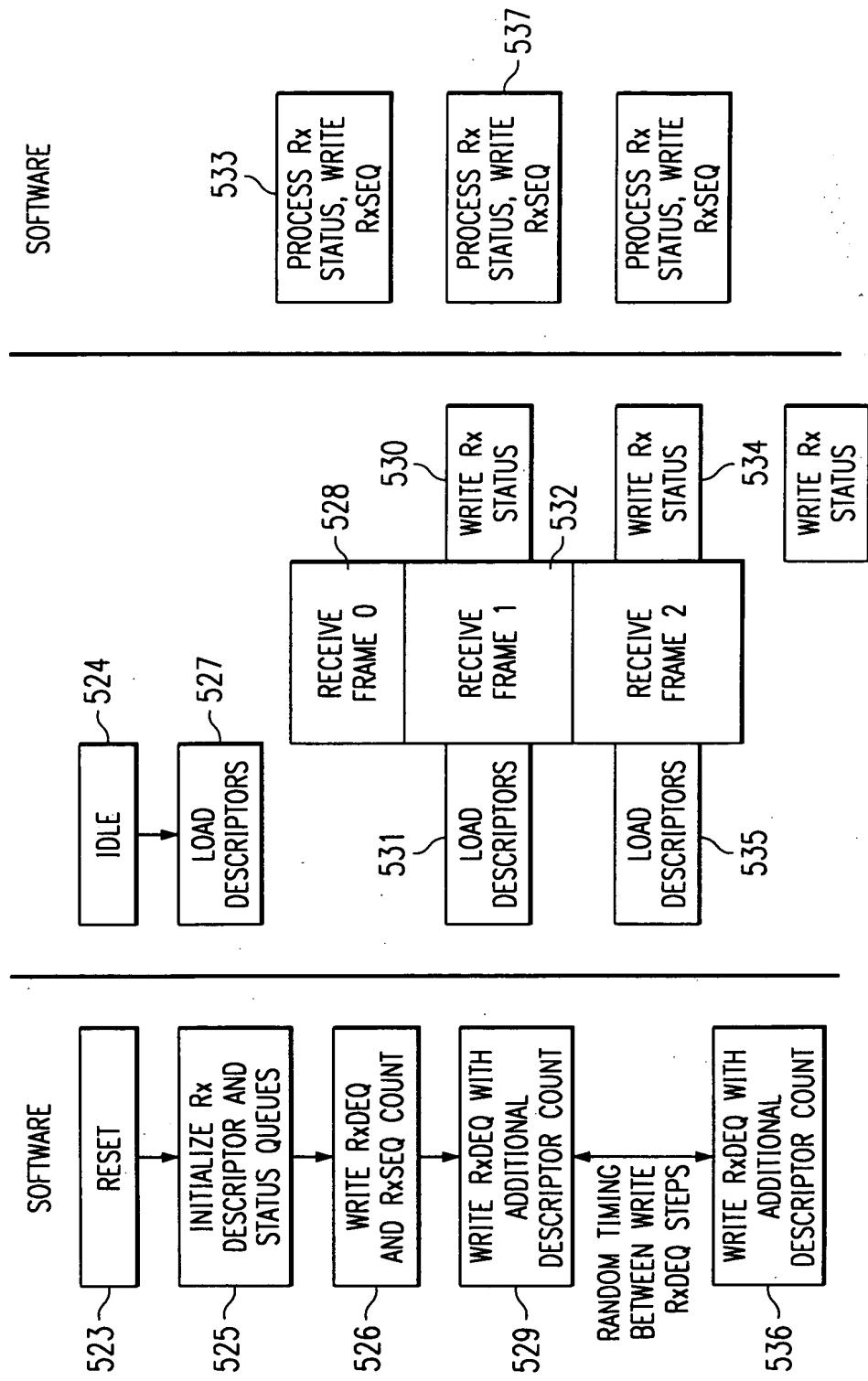
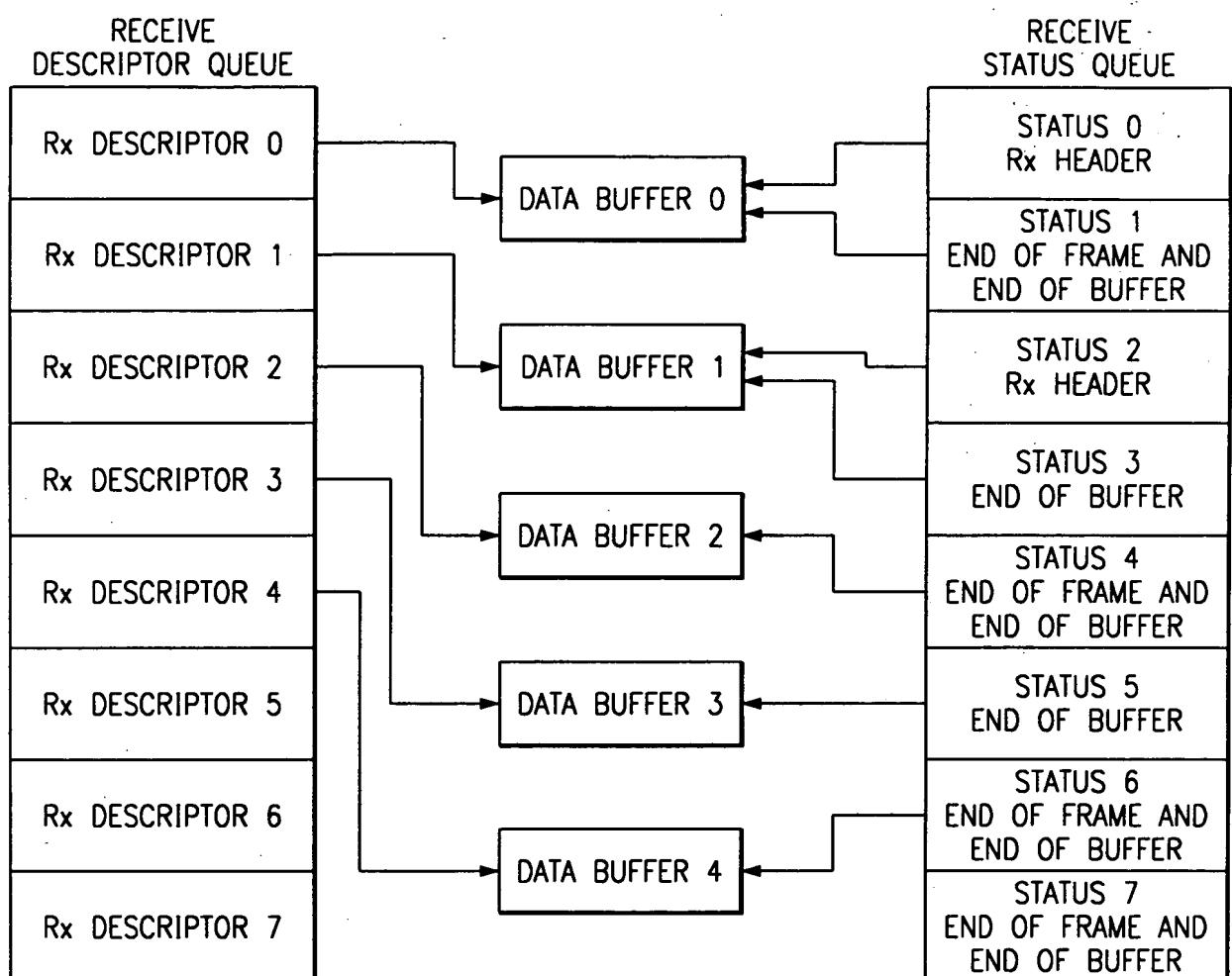


FIG. 5H



522

FIG. 5I

521

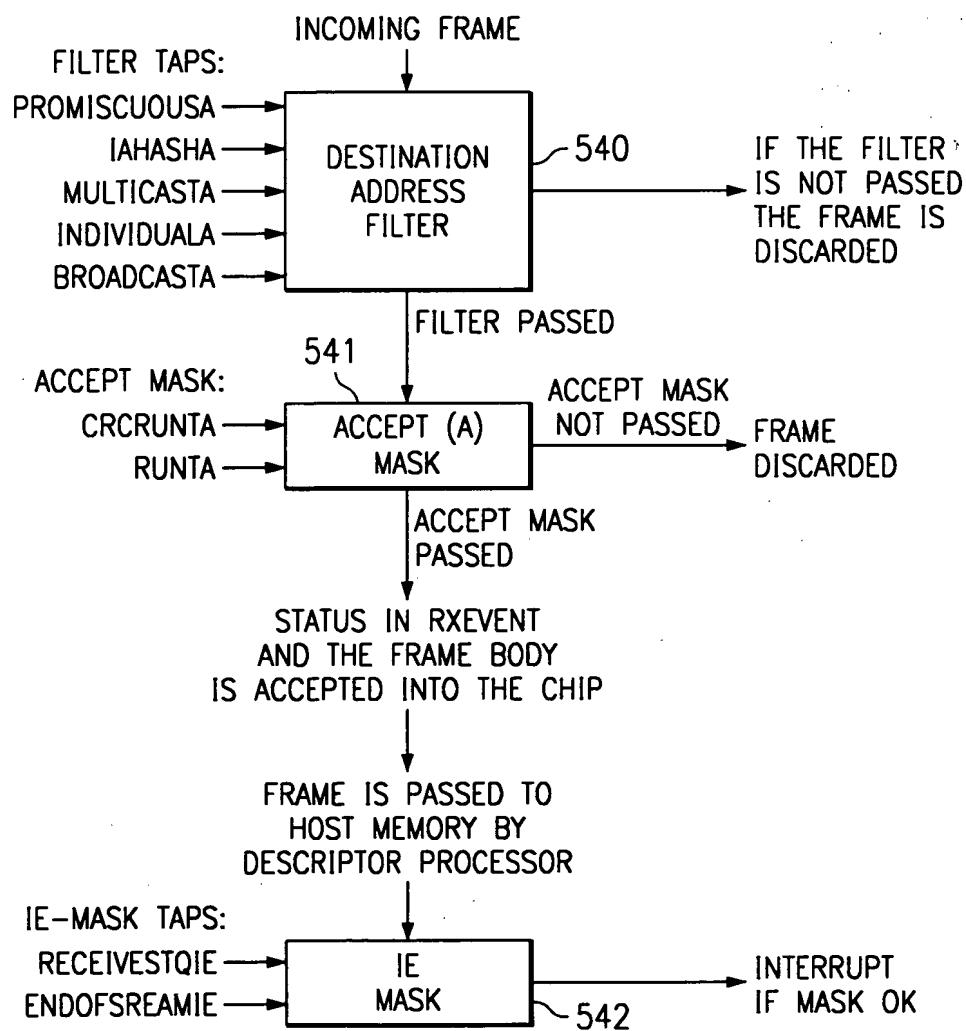


FIG. 5J

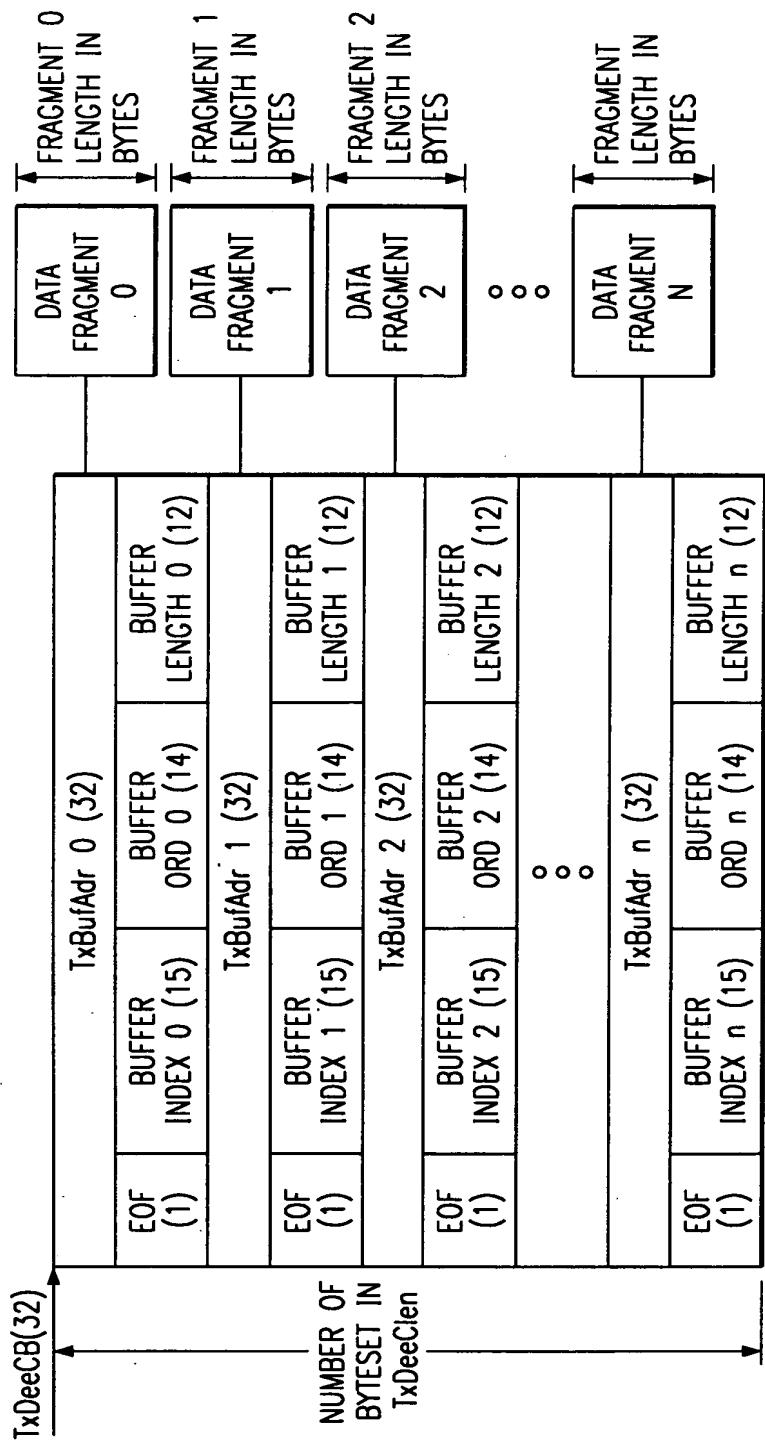


FIG. 5K

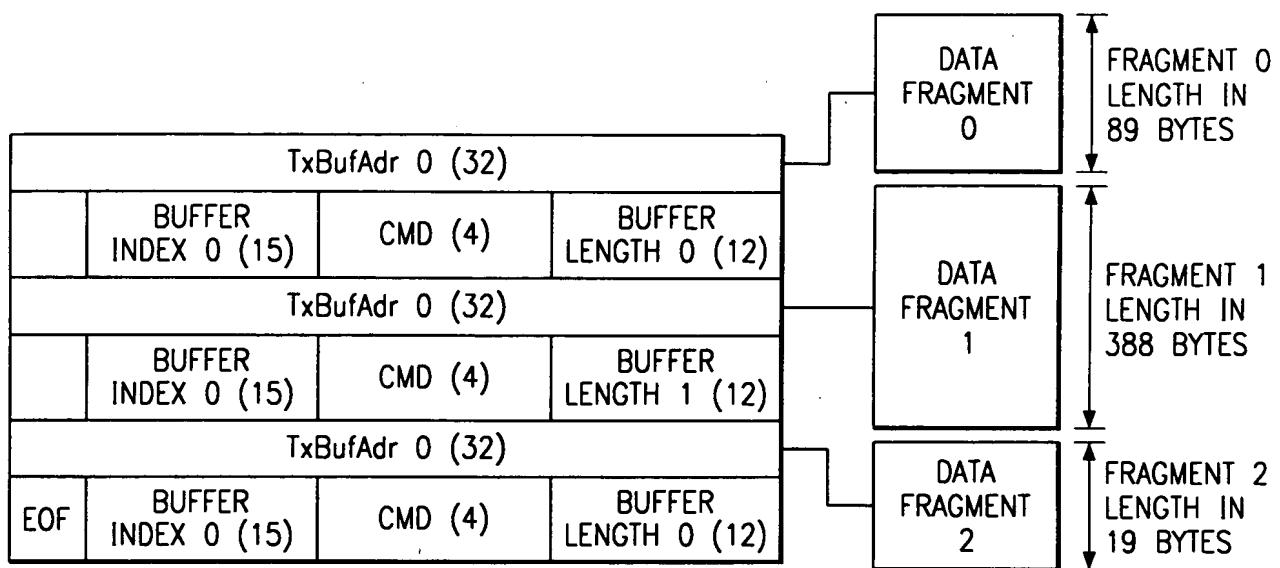


FIG. 5L

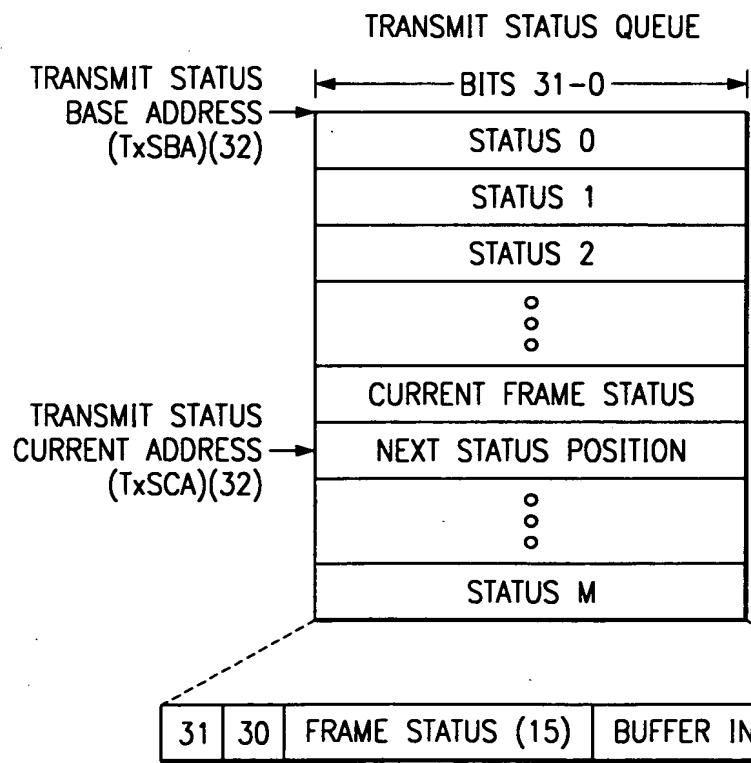


FIG. 5M

TxWE = TRANSMITTED WITHOUT ERROR  
 TxFP = TRANSMIT FRAME PROCESSED

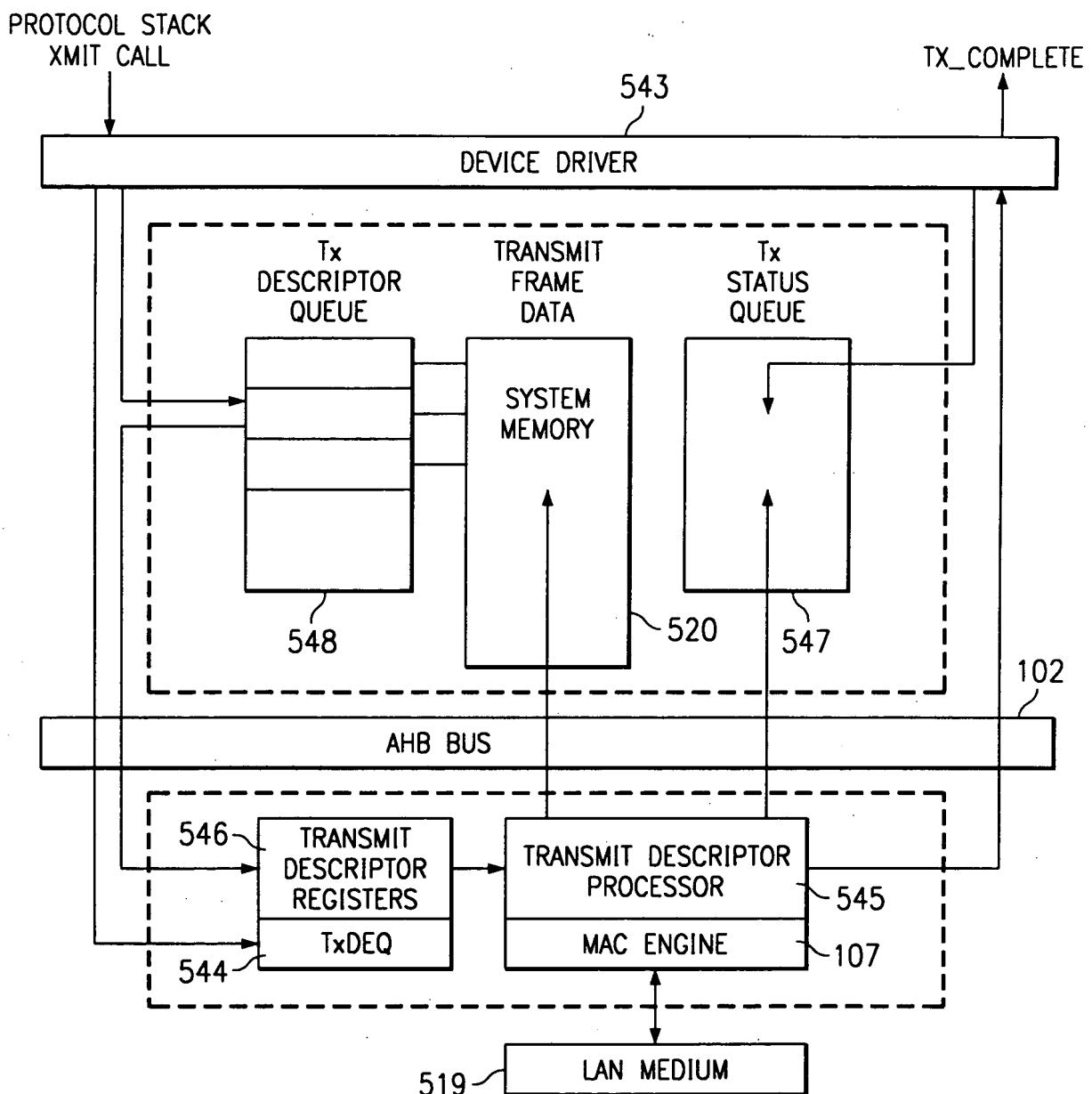


FIG. 5N

FIG. 50

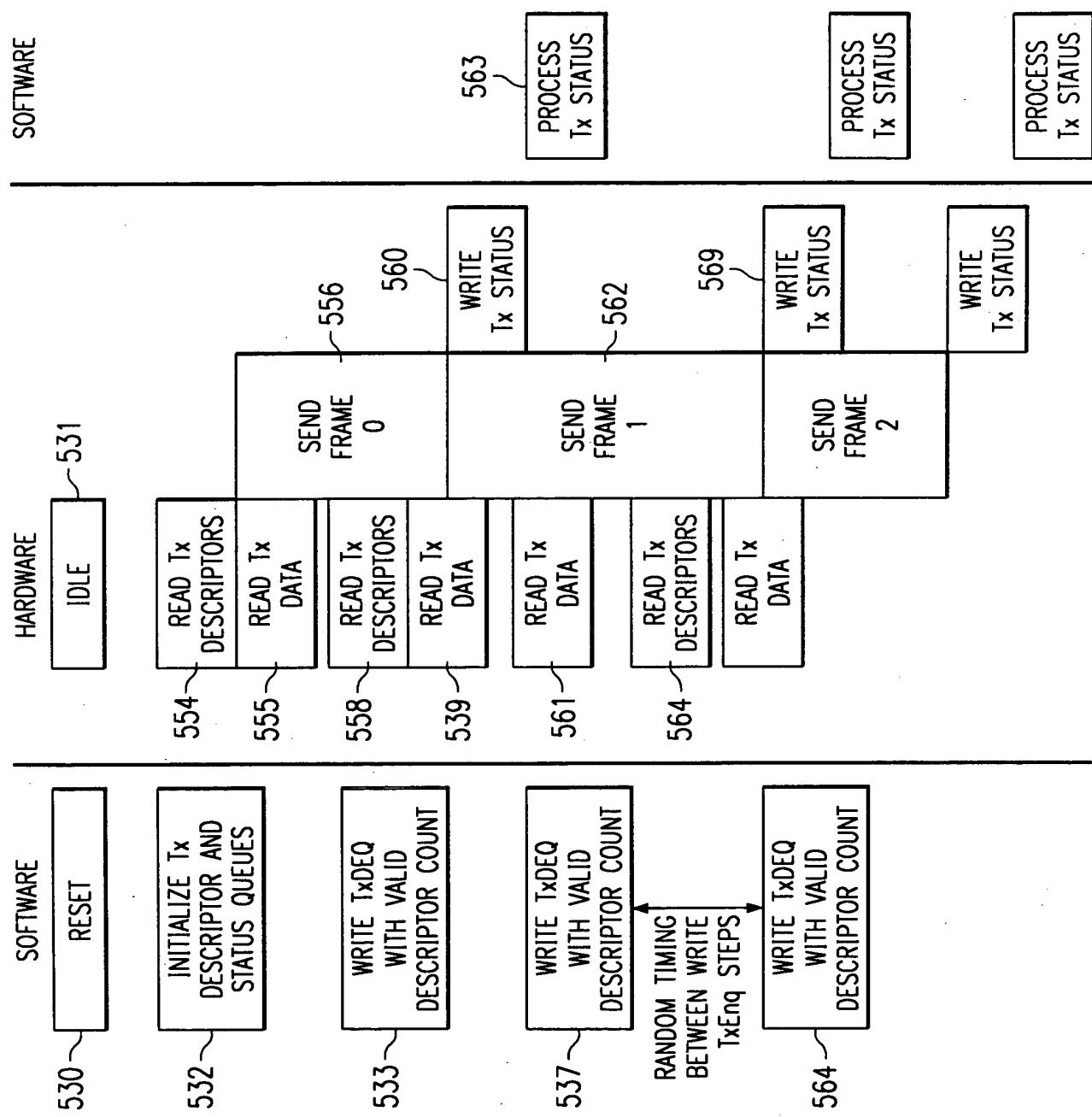


FIG. 6A

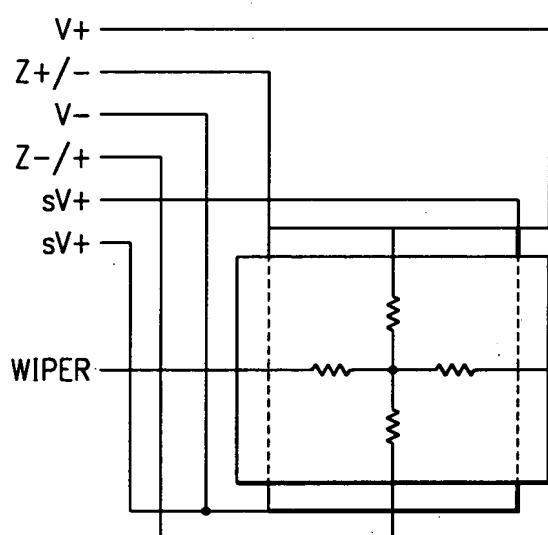
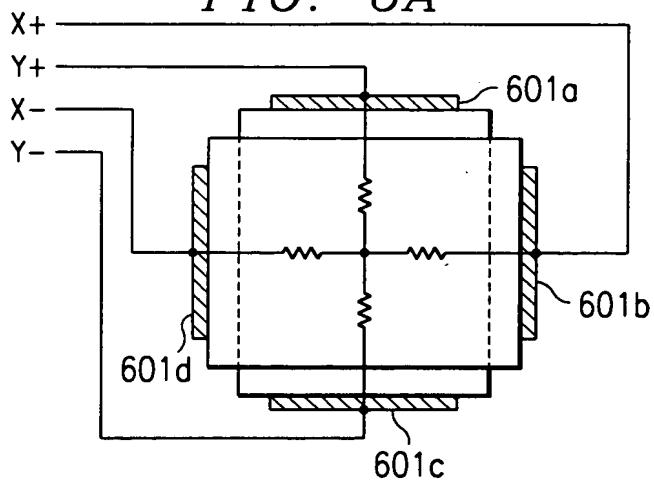


FIG. 6C

FIG. 6B

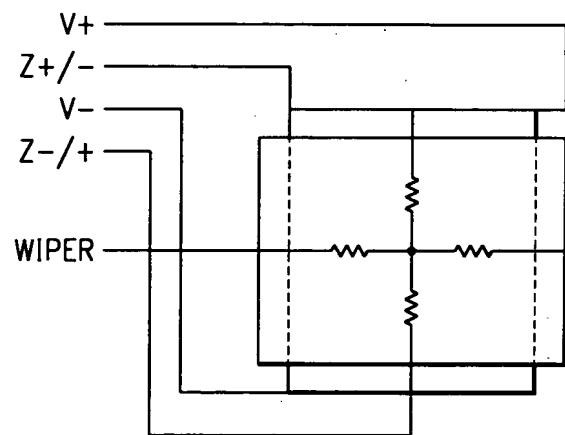
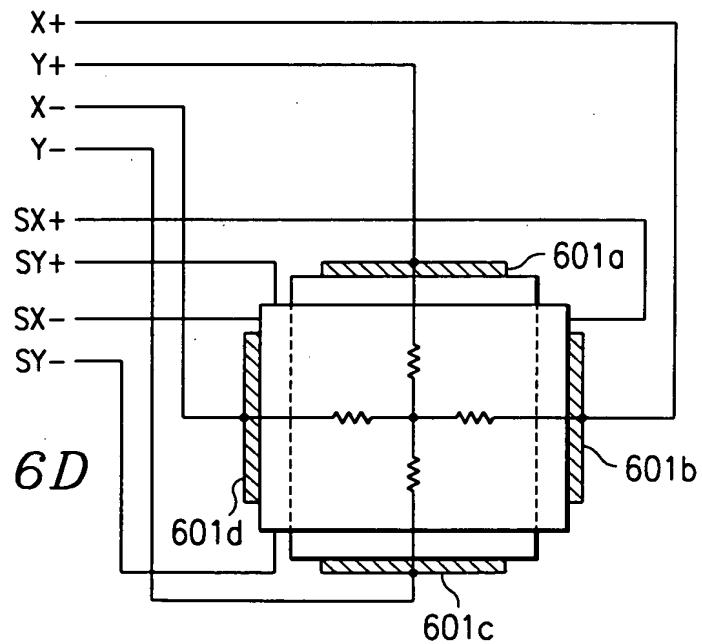


FIG. 6D



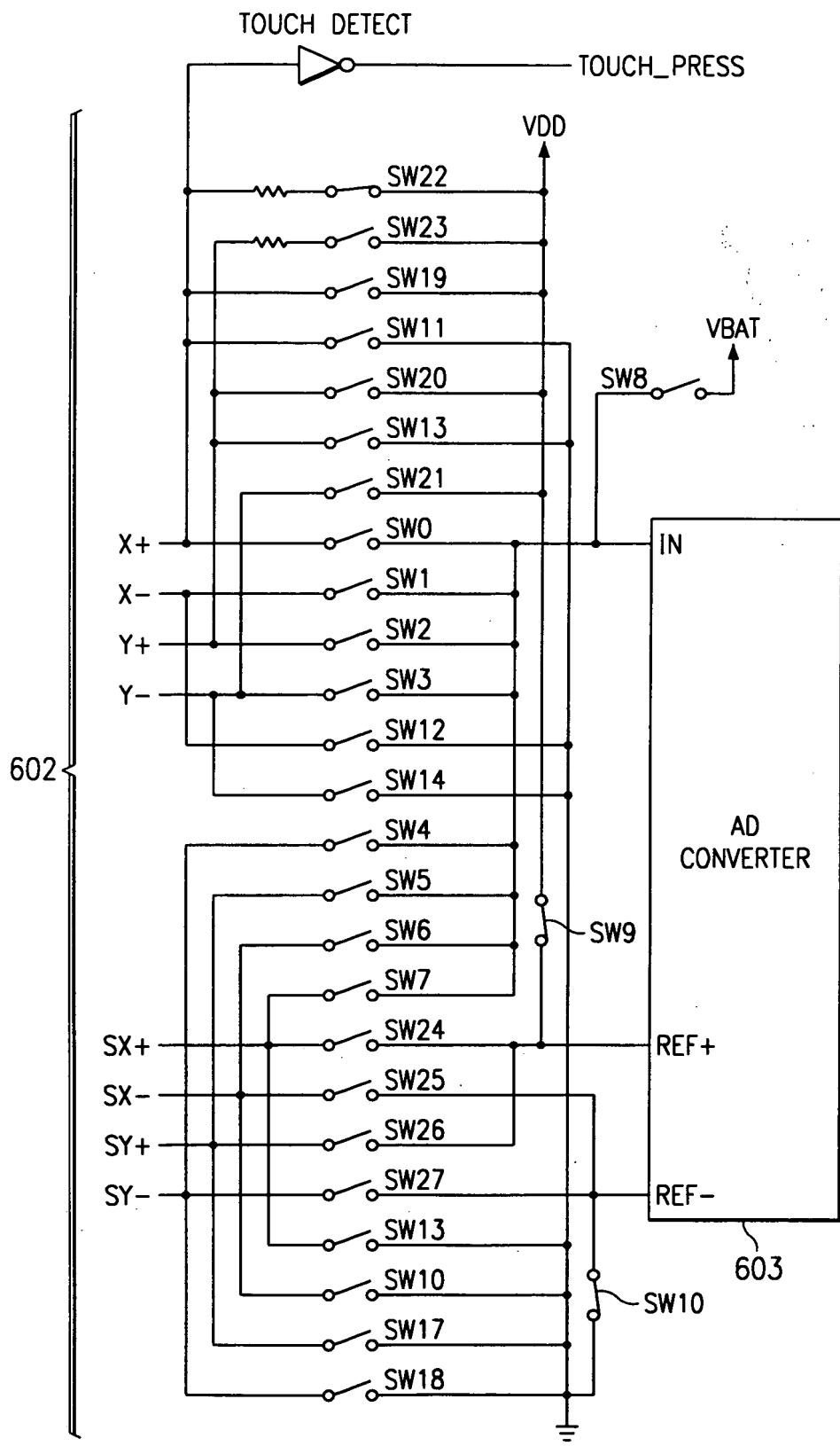
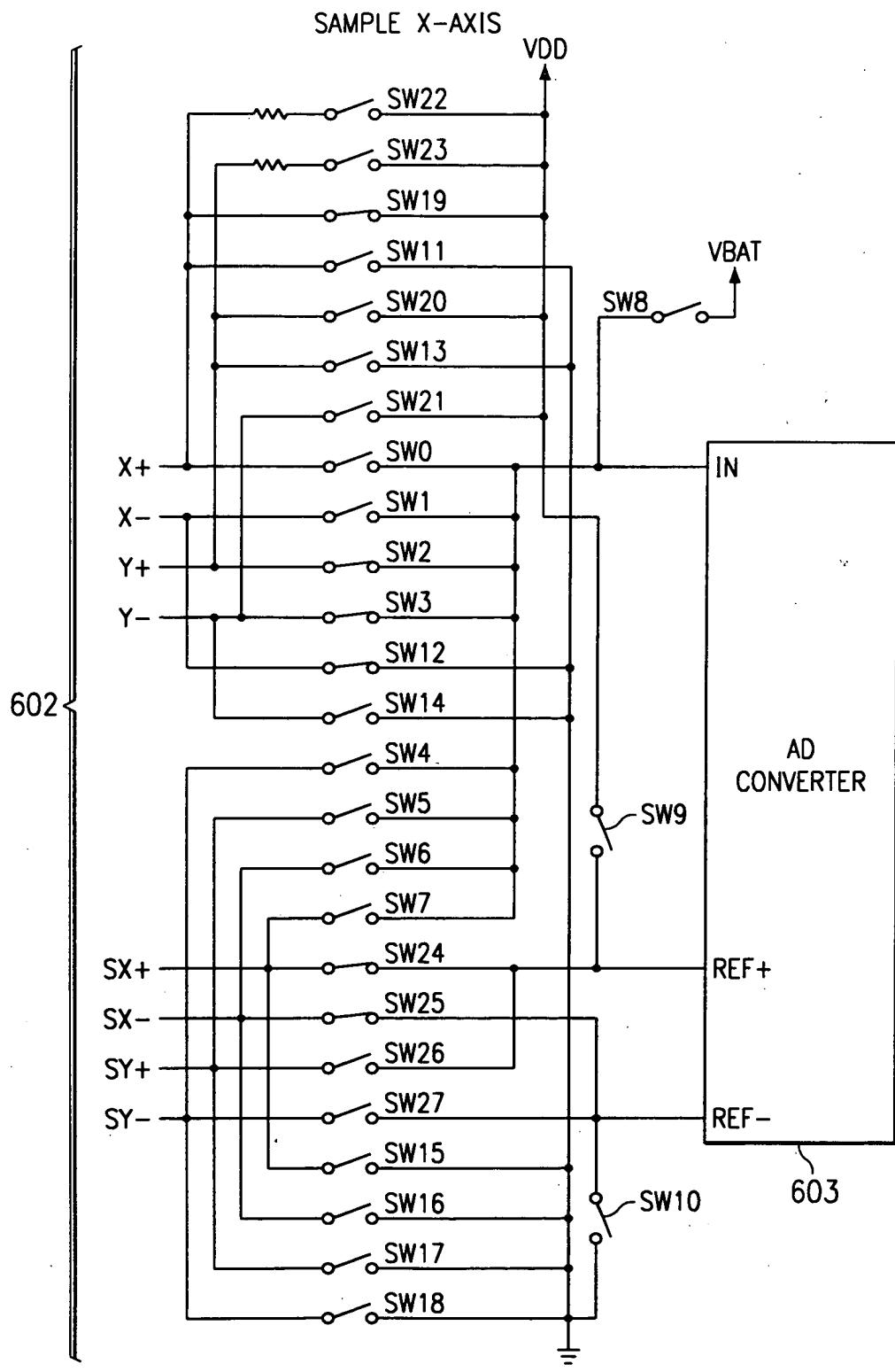


FIG. 6E



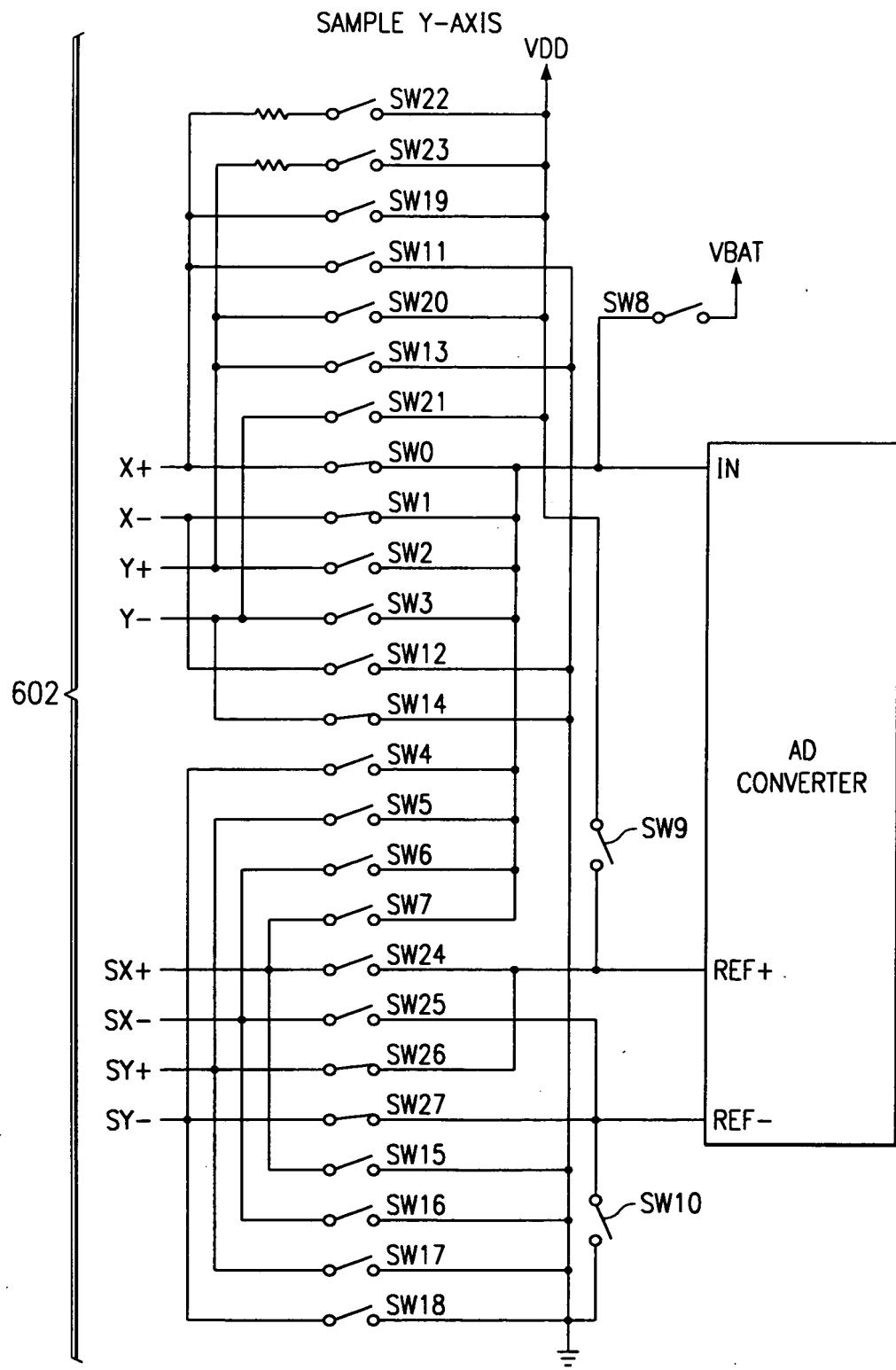


FIG. 6G

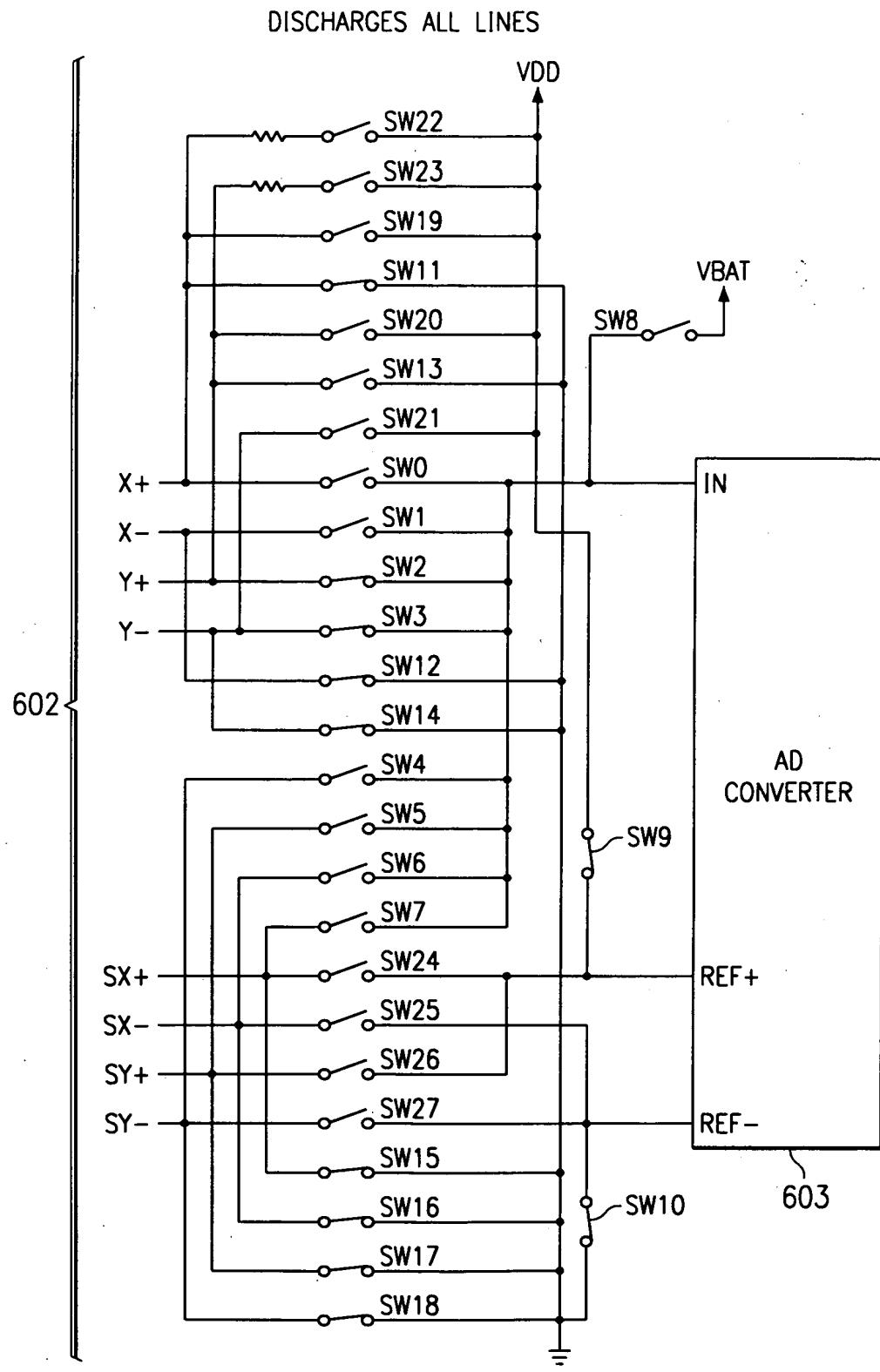
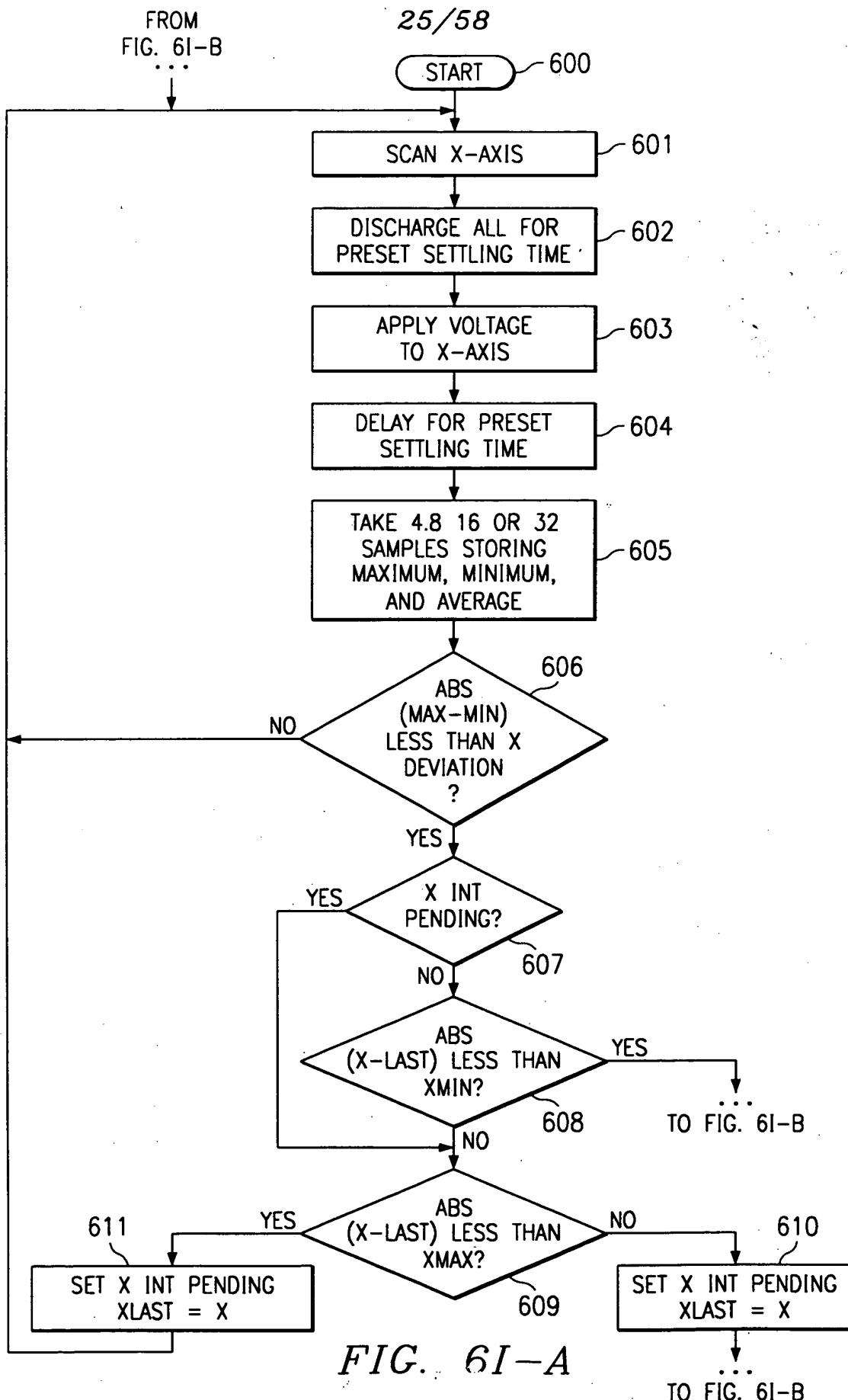


FIG. 6H



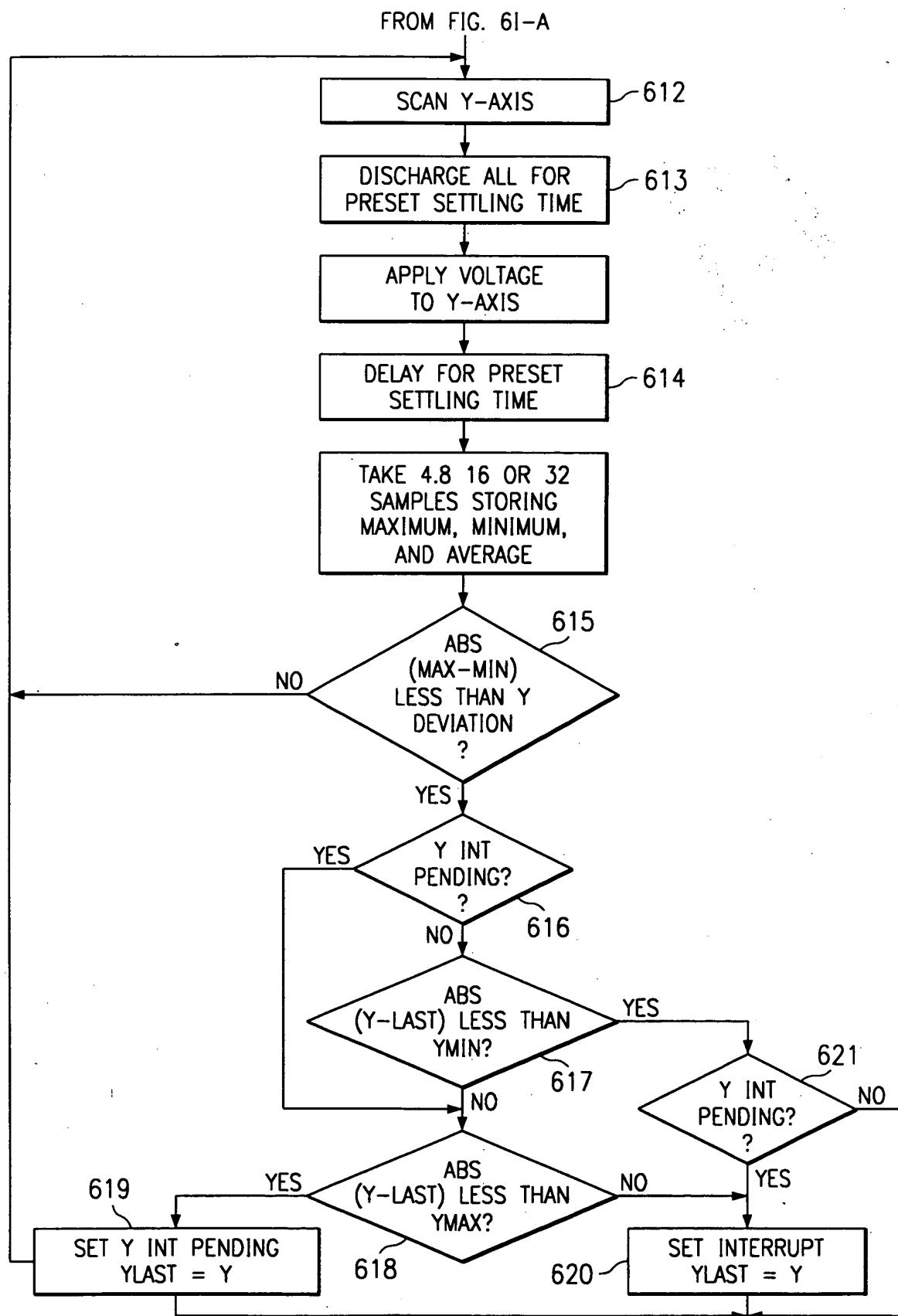


FIG. 6I-B

TO FIG. 6I-A

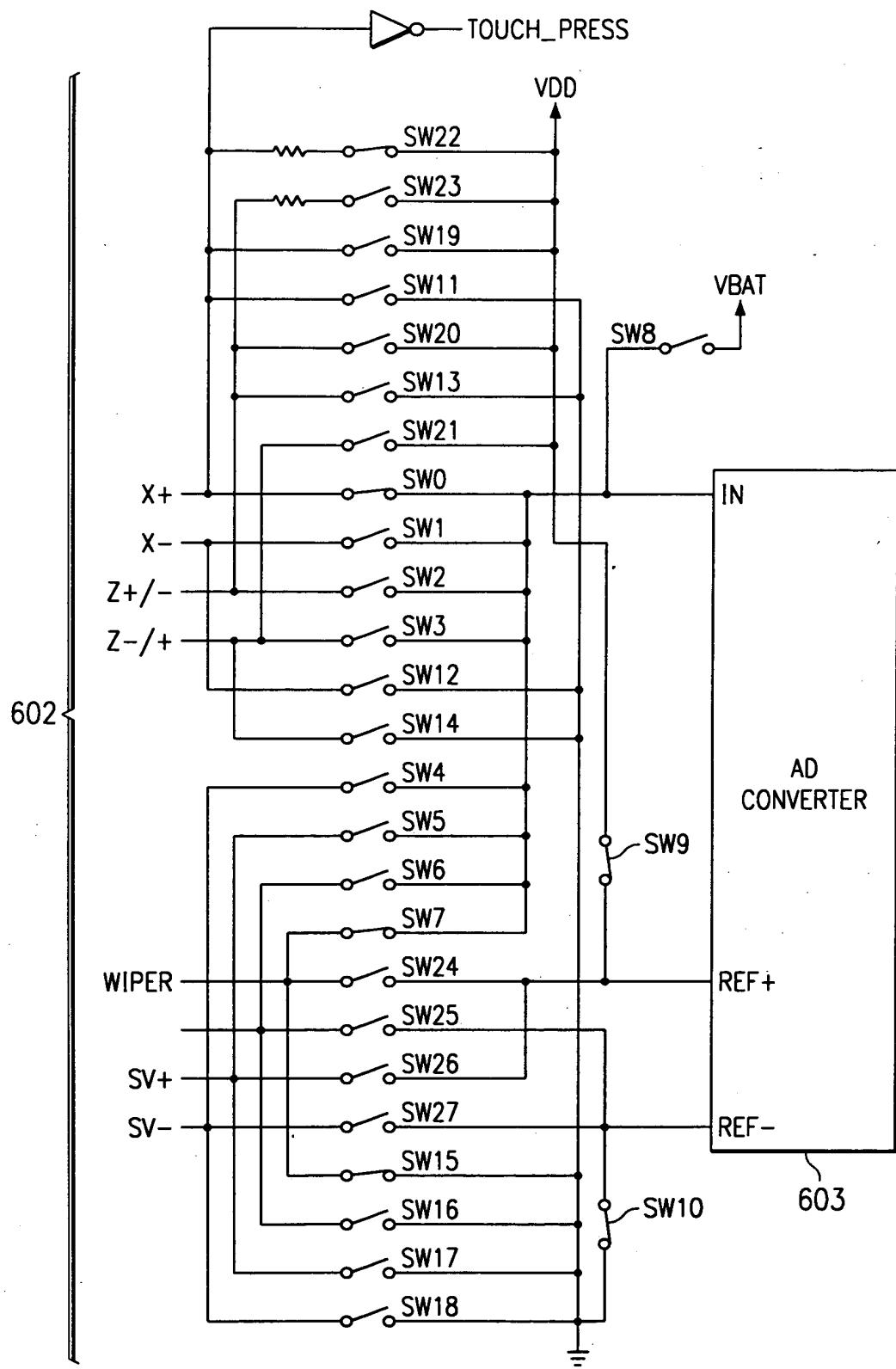


FIG. 6J

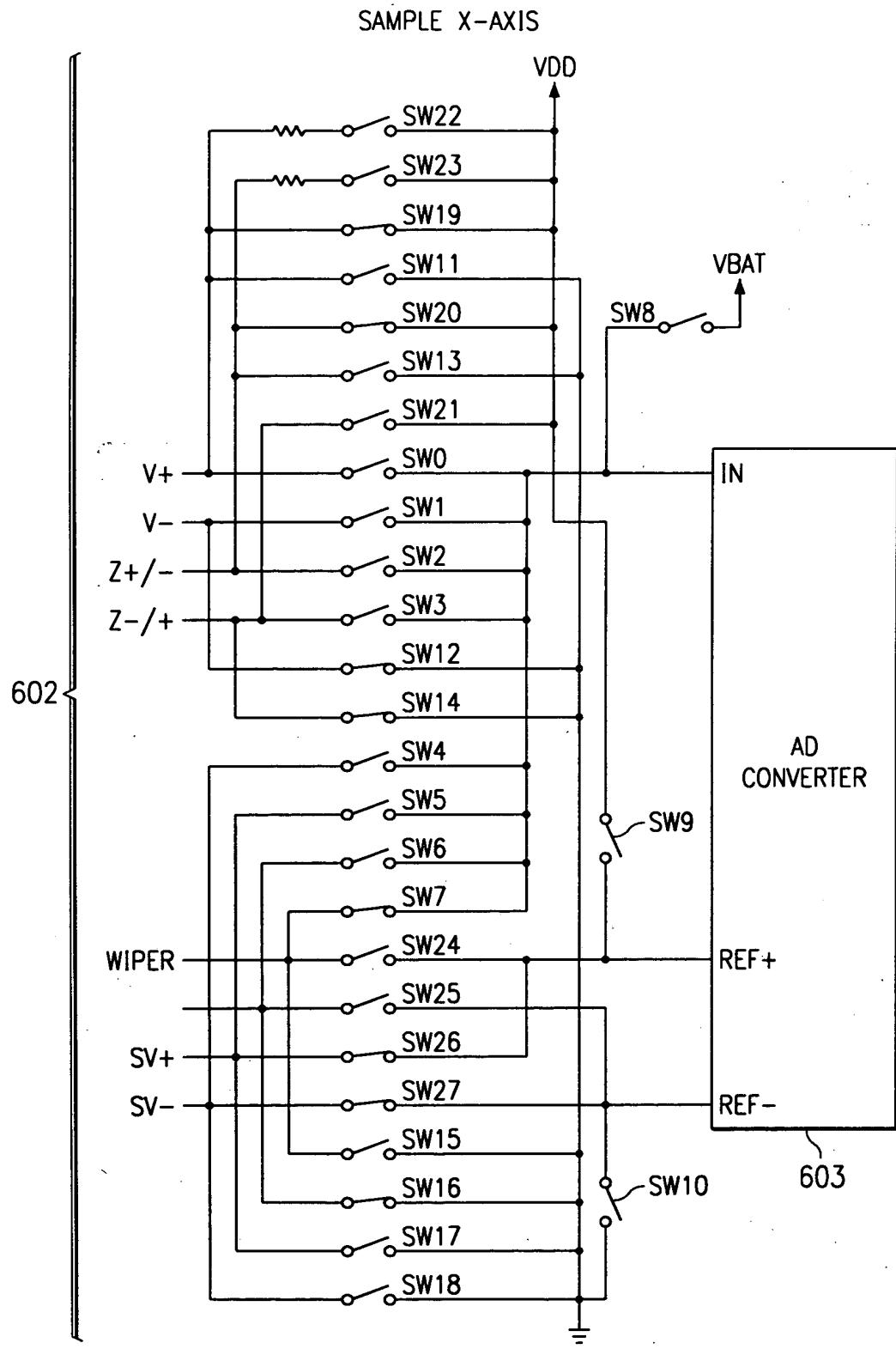
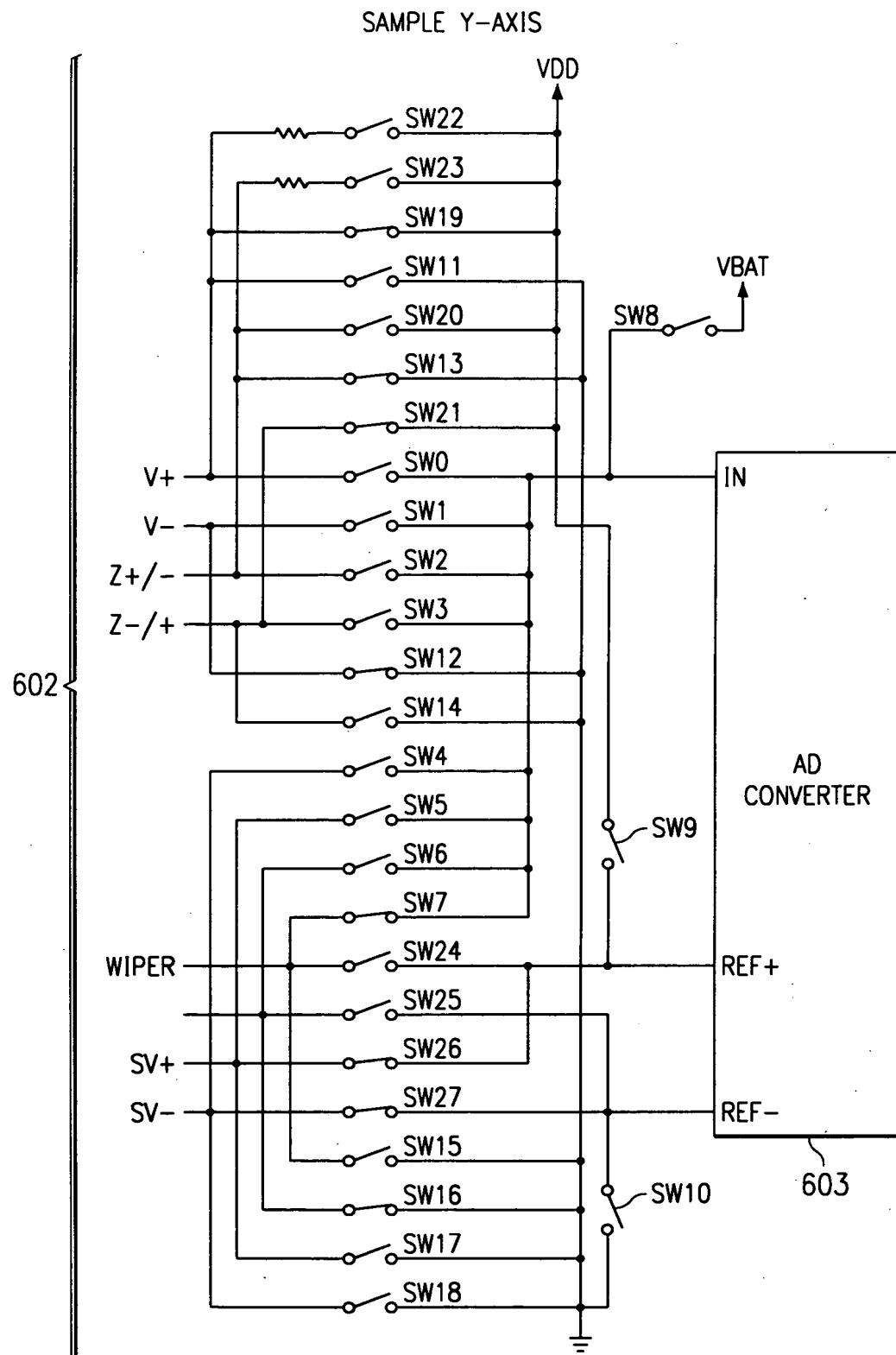


FIG. 6K



## DISCHARGE ALL LINES

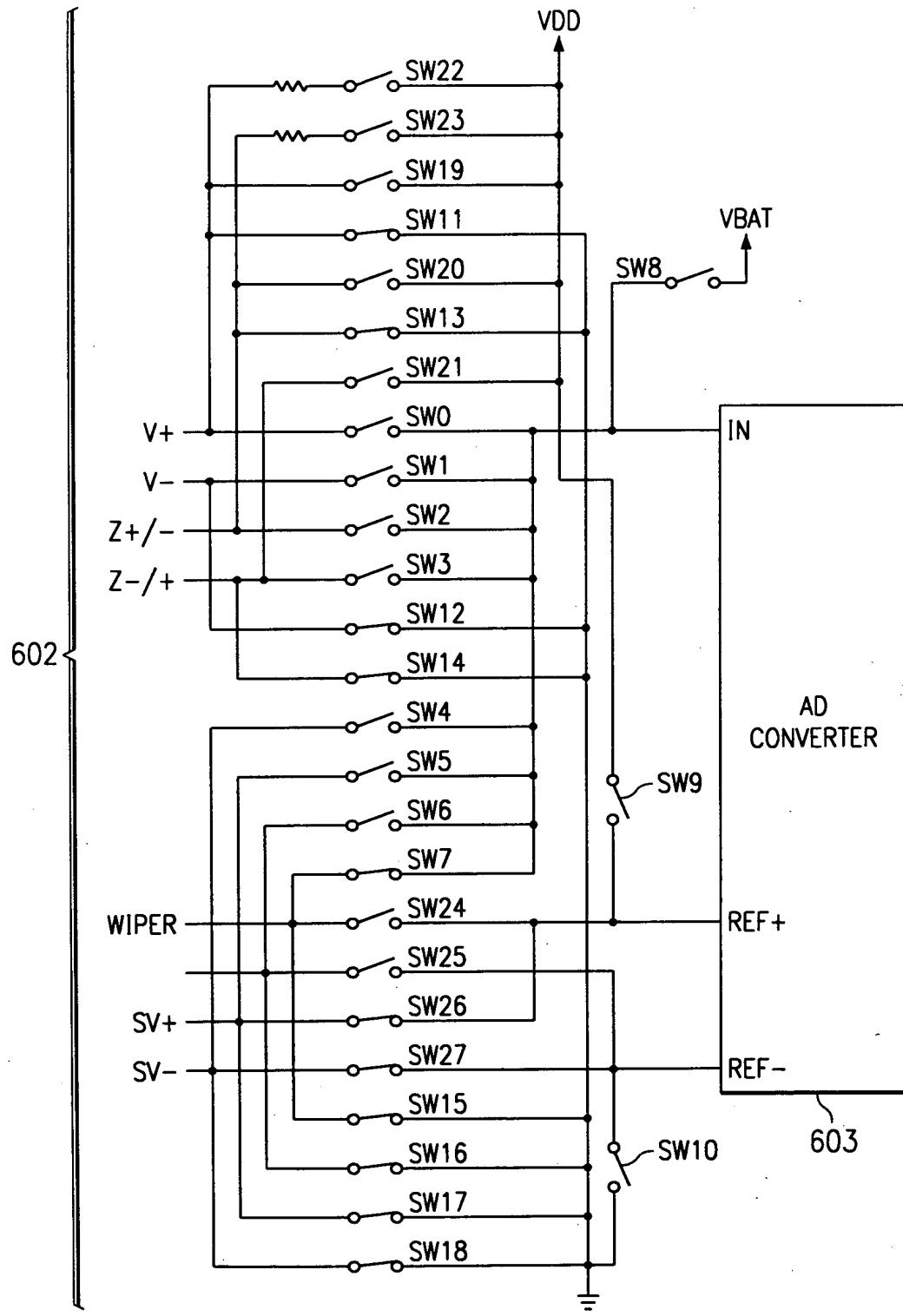


FIG. 6M

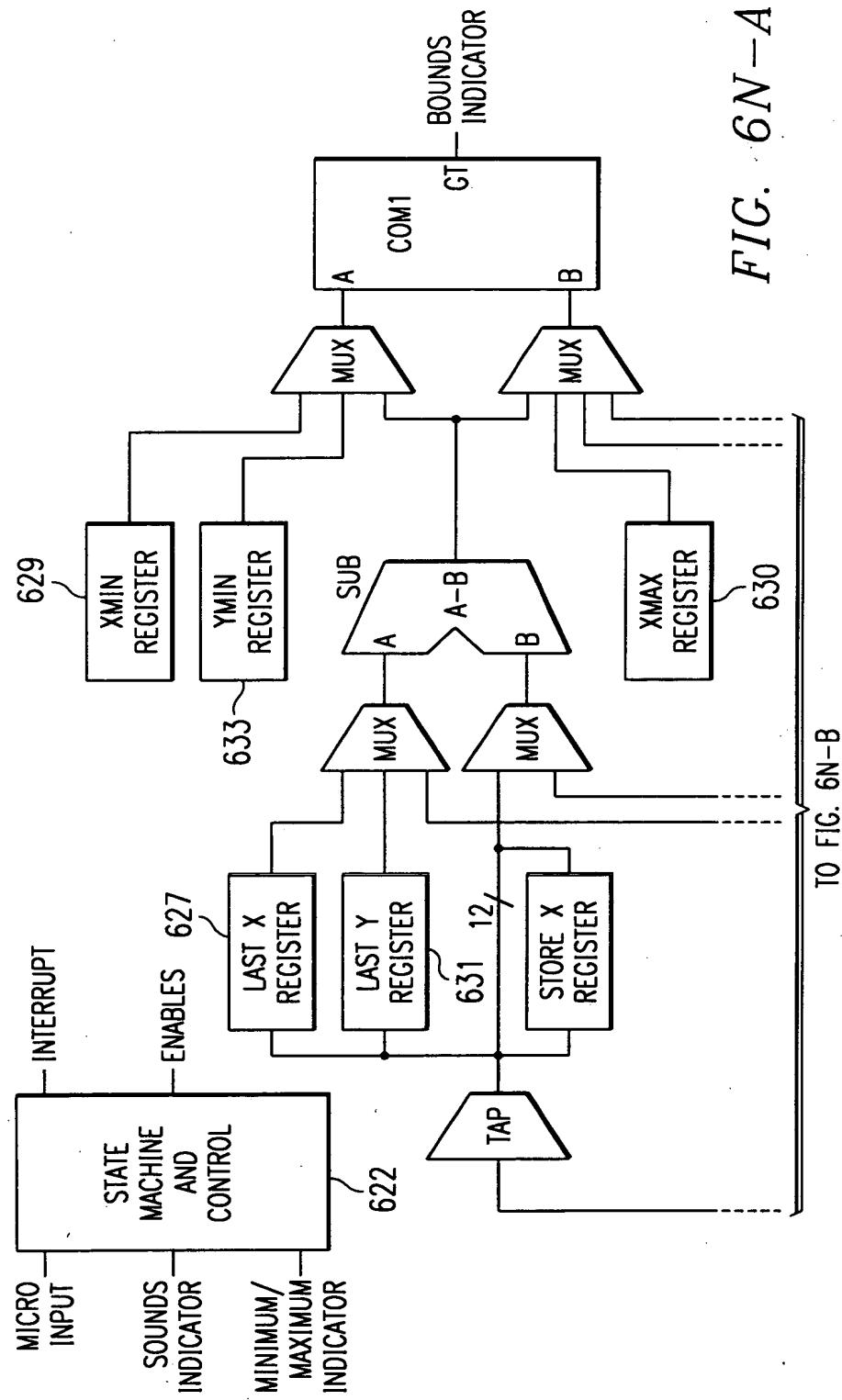


FIG. 6N-A

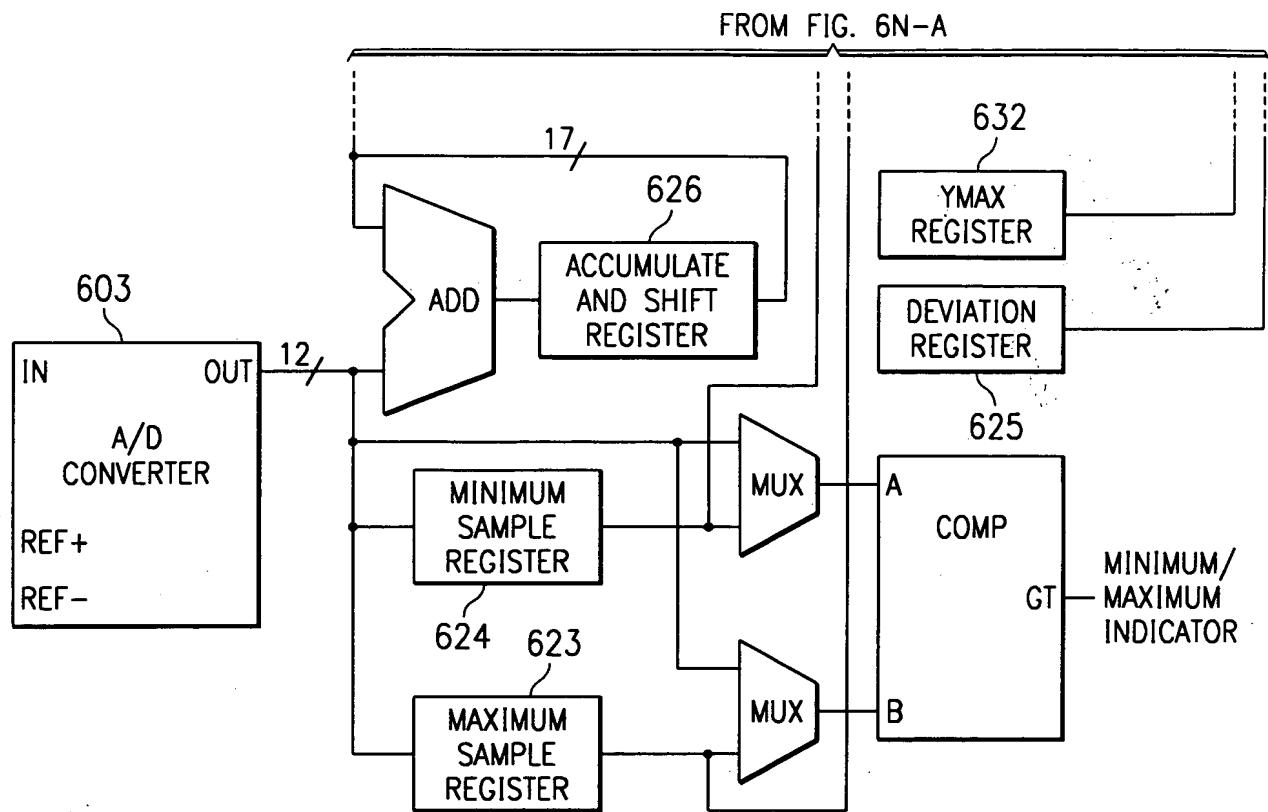


FIG. 6N-B

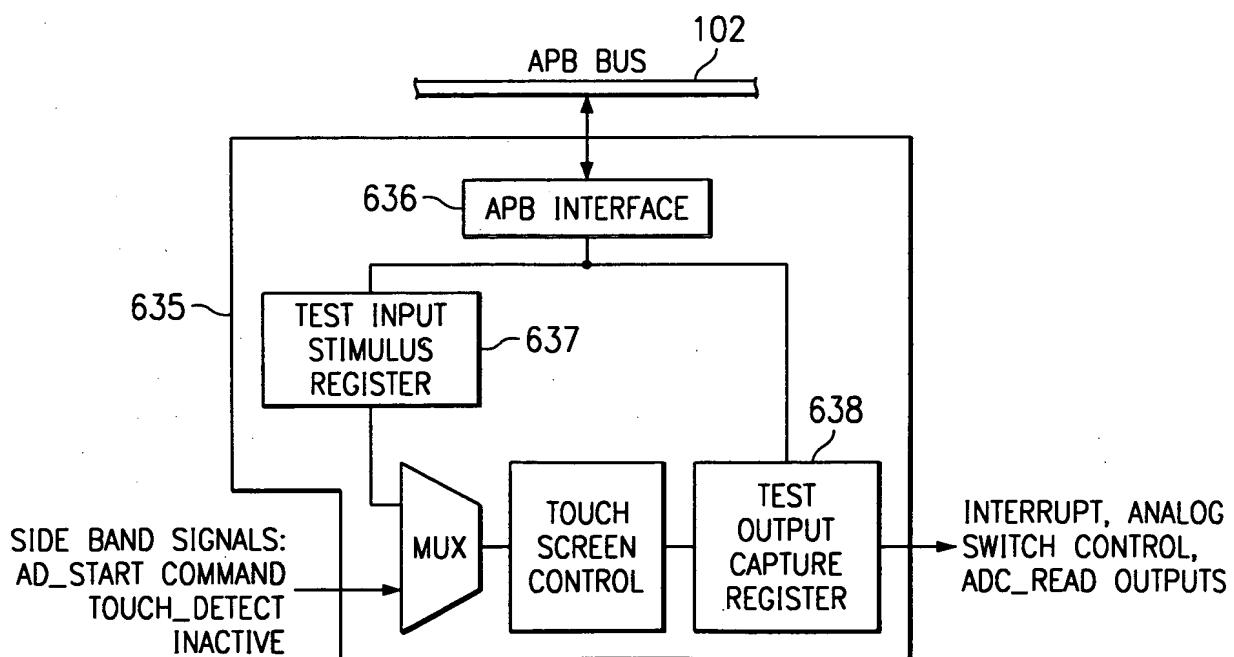


FIG. 6Q

## 5 WIRE DETECT PRESS

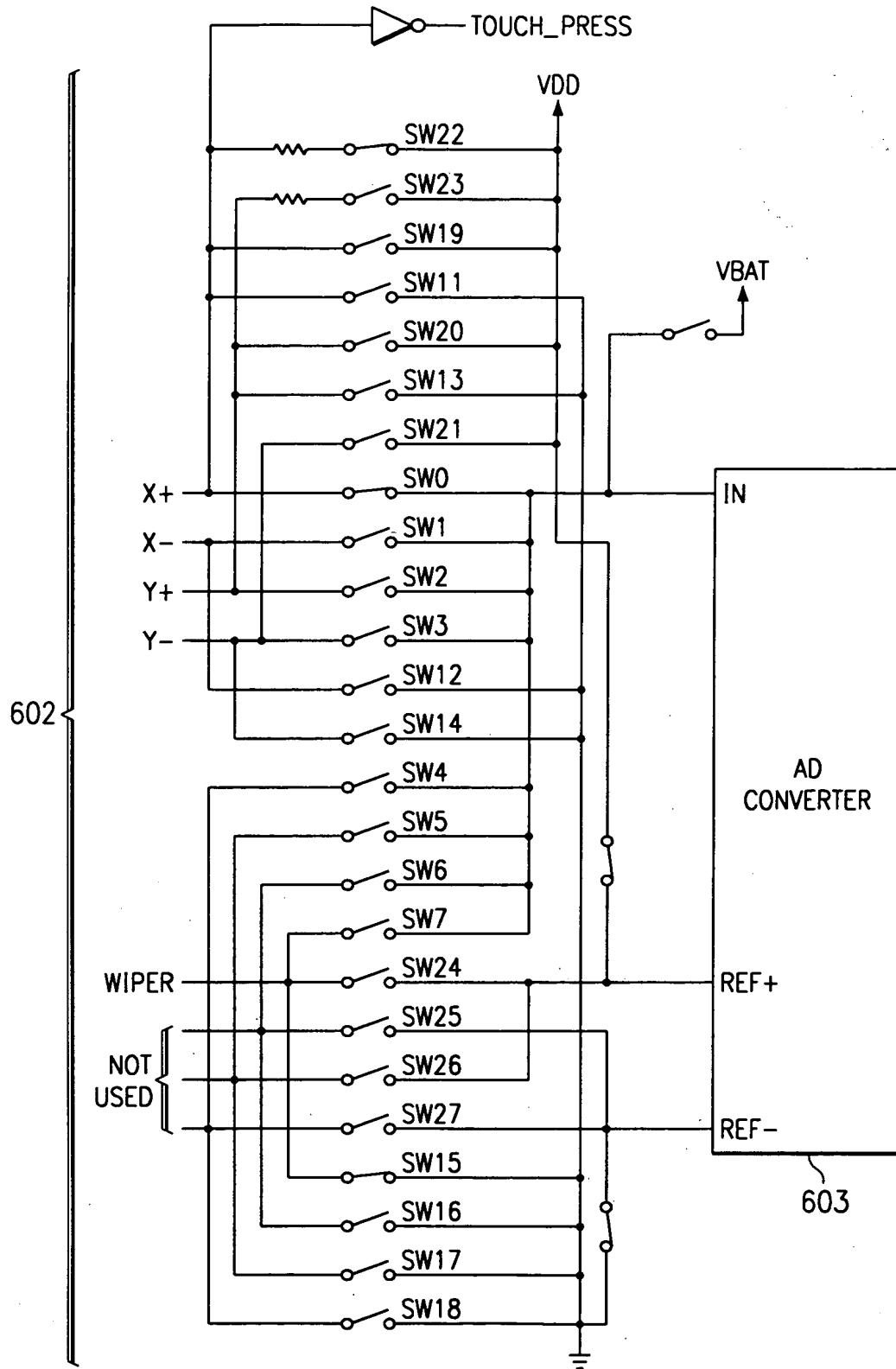


FIG. 60

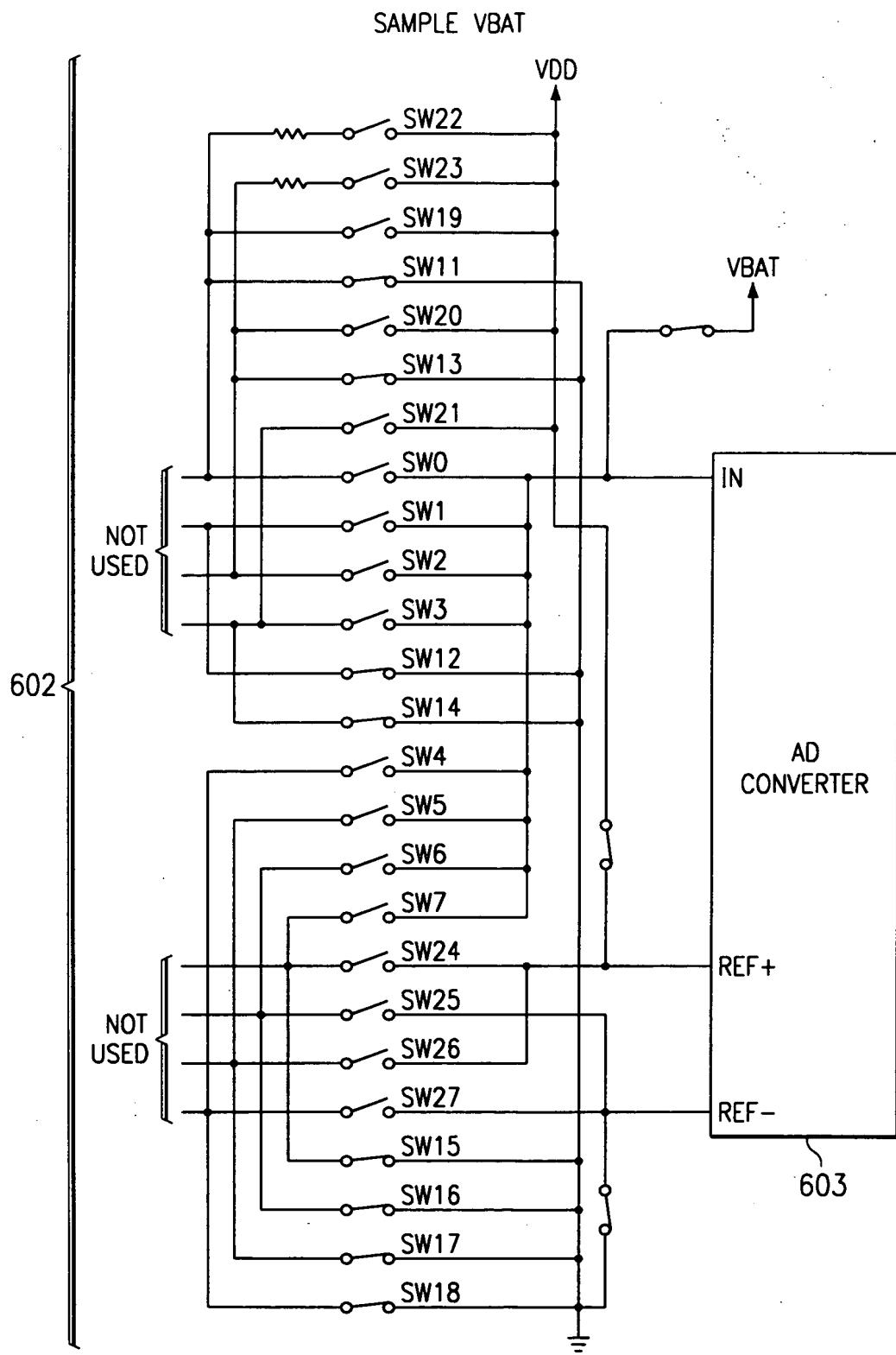


FIG. 6P

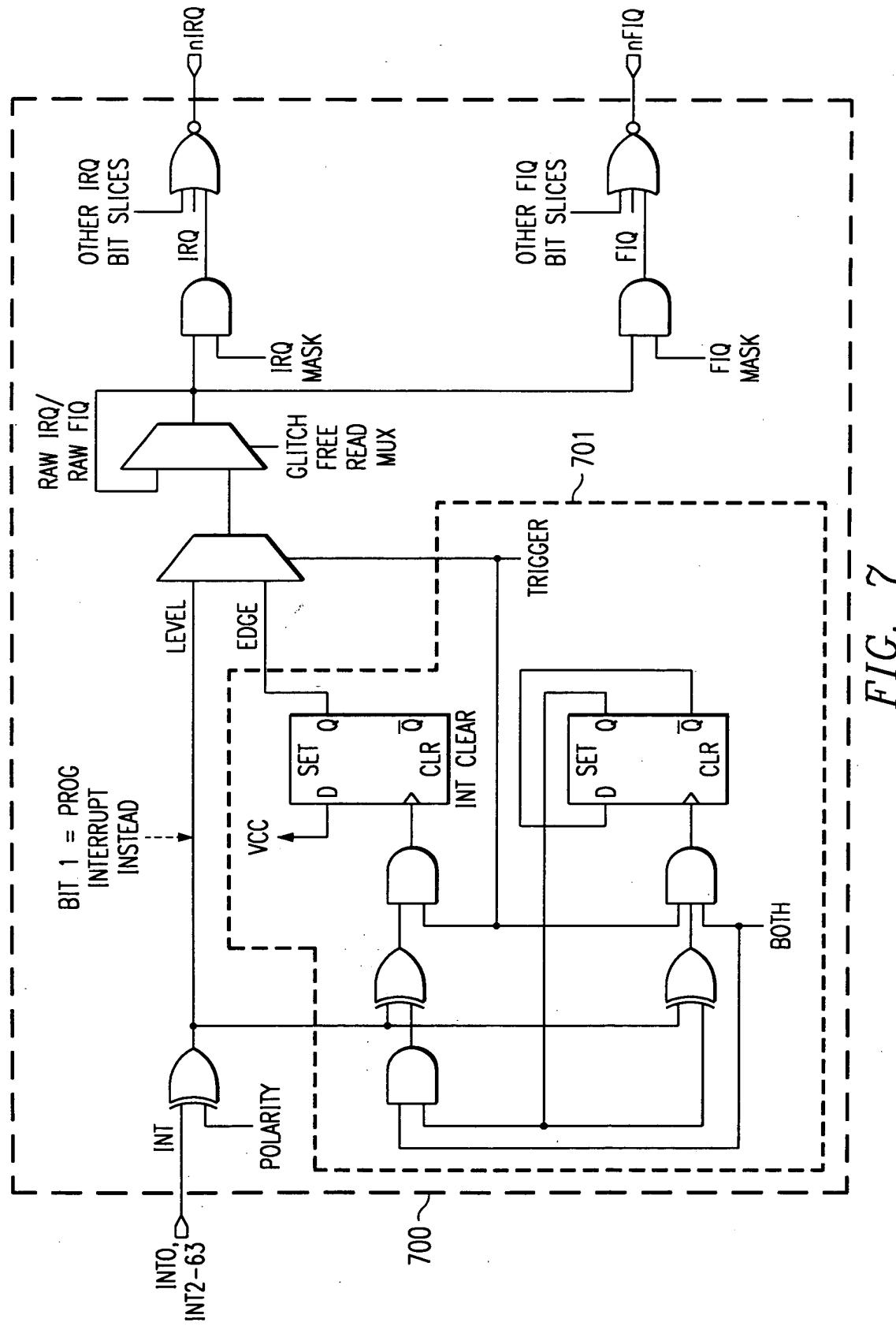


FIG. 7

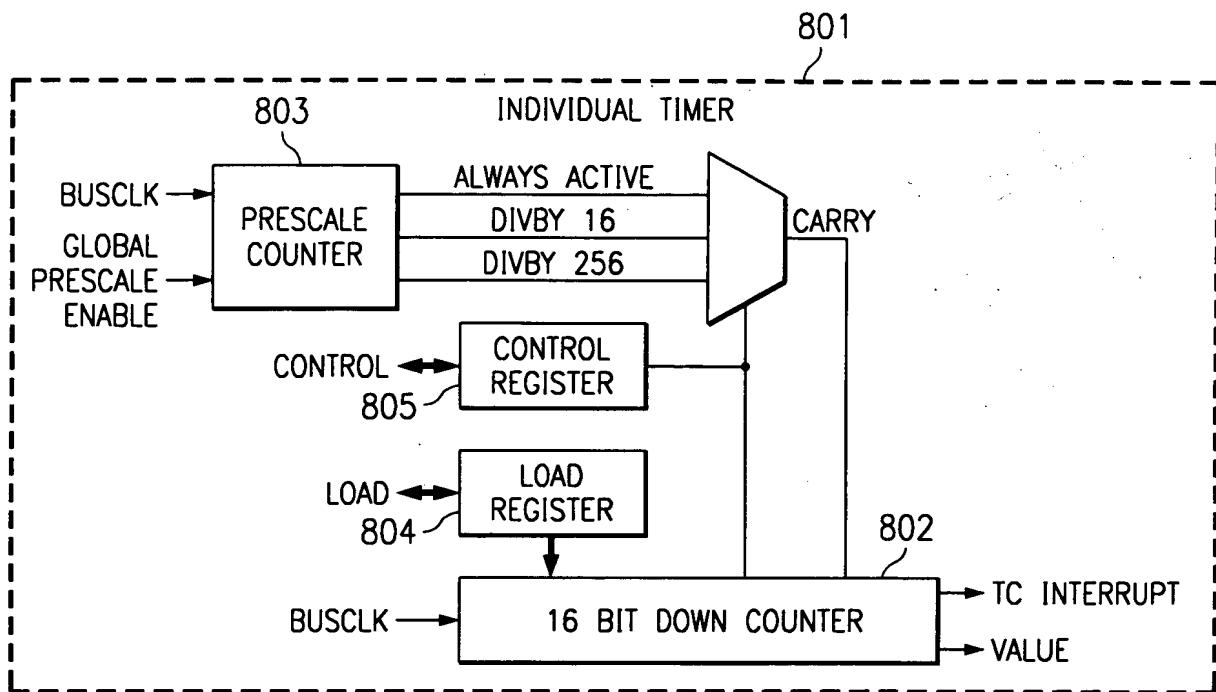


FIG. 8A

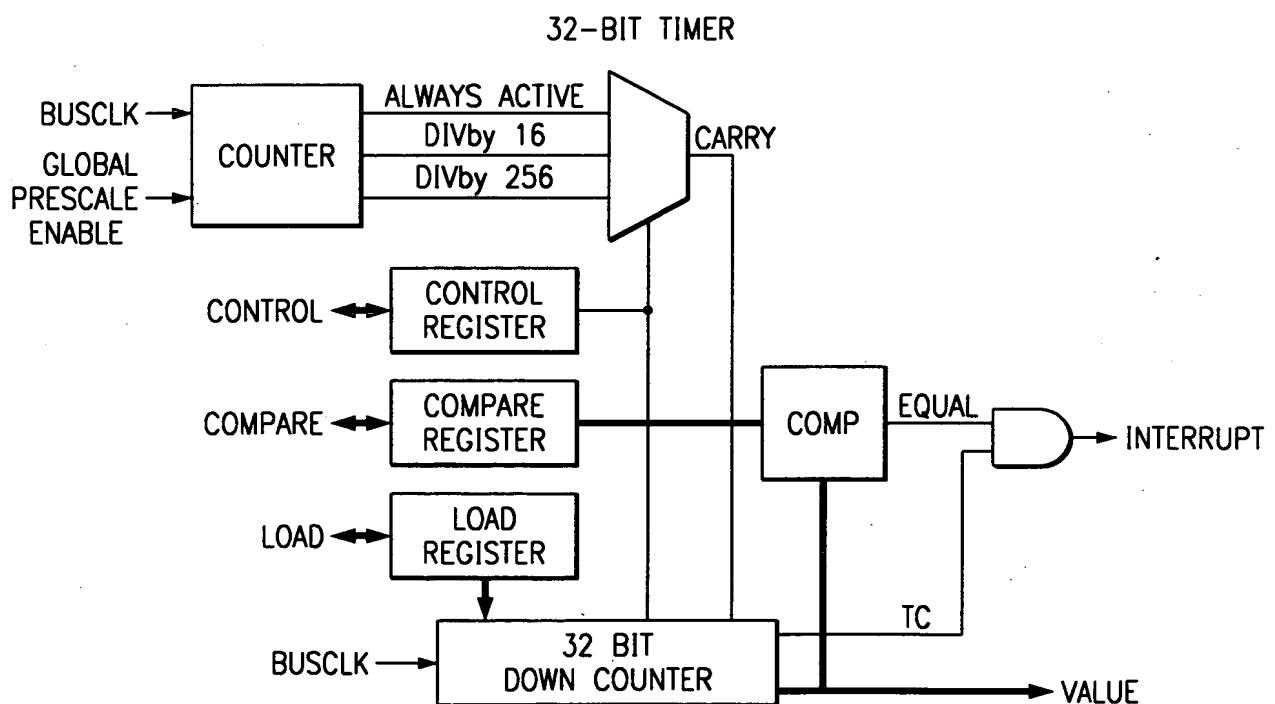


FIG. 8B

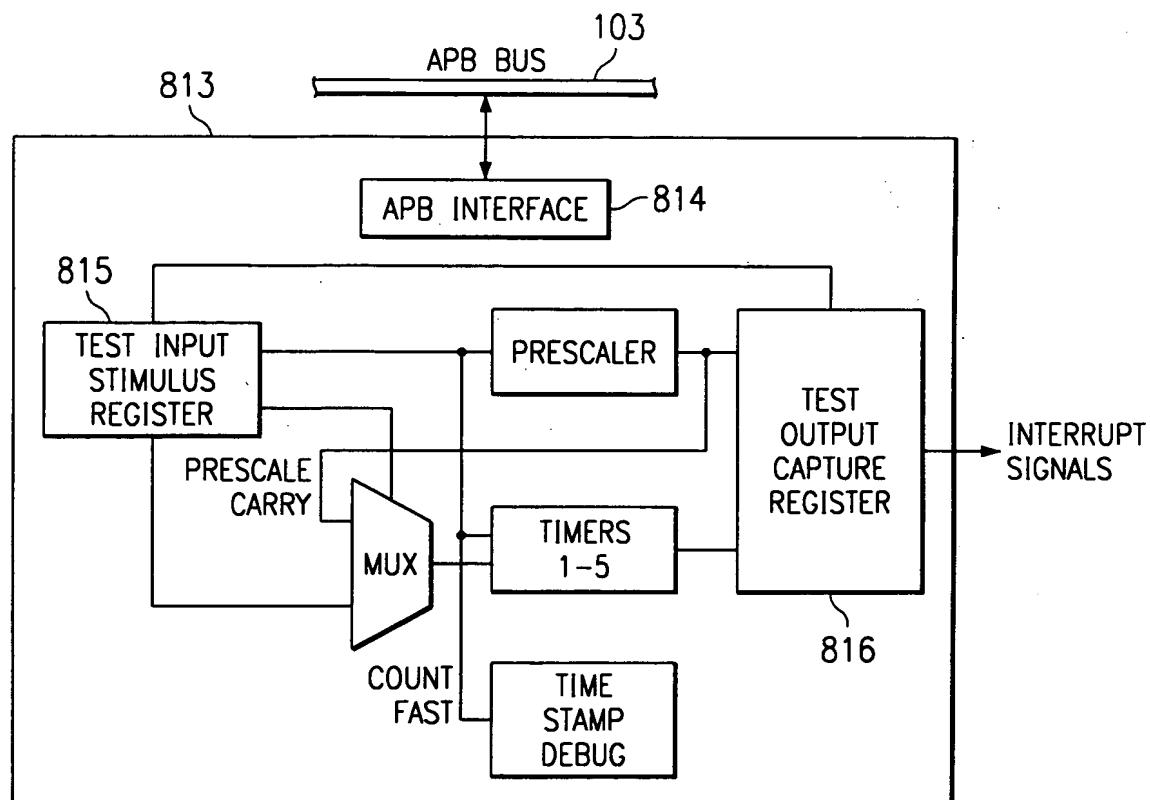


FIG. 8C

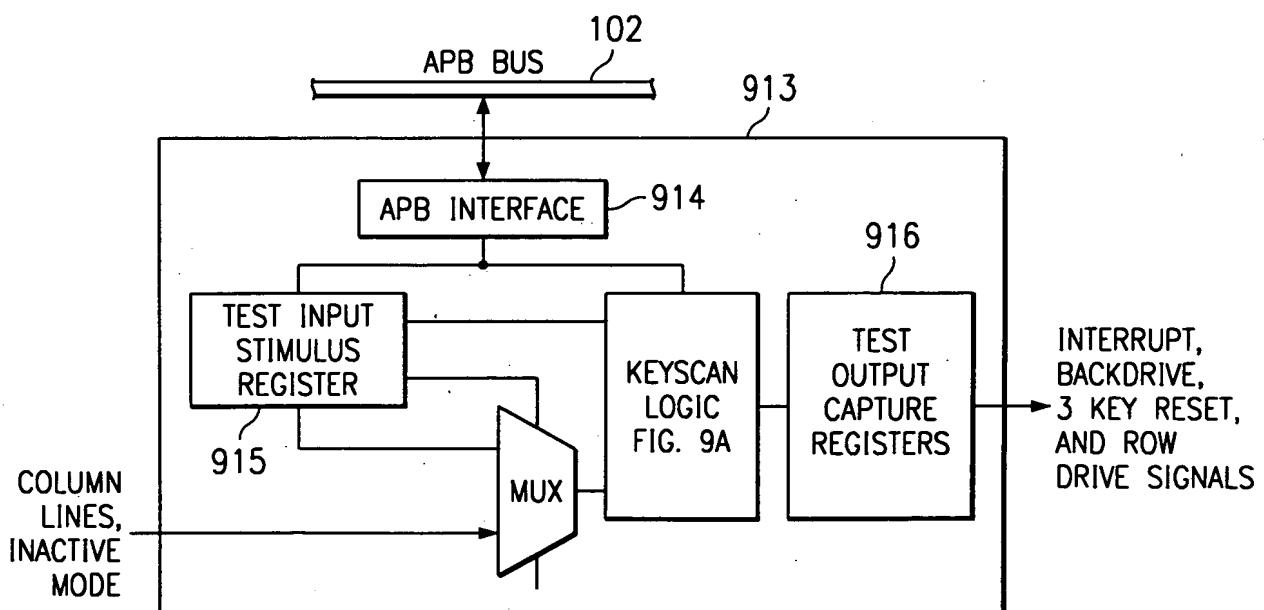


FIG. 9C

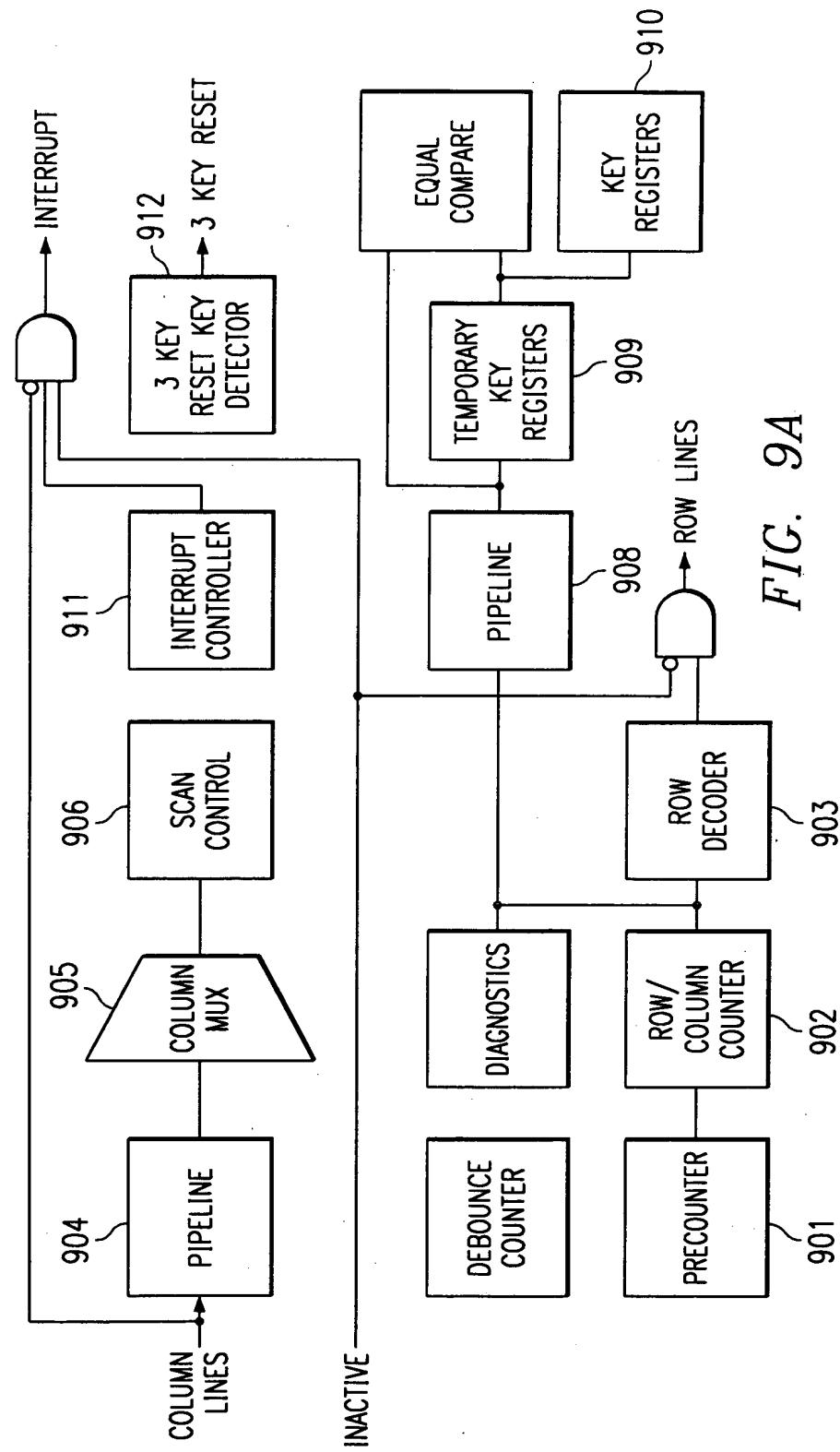
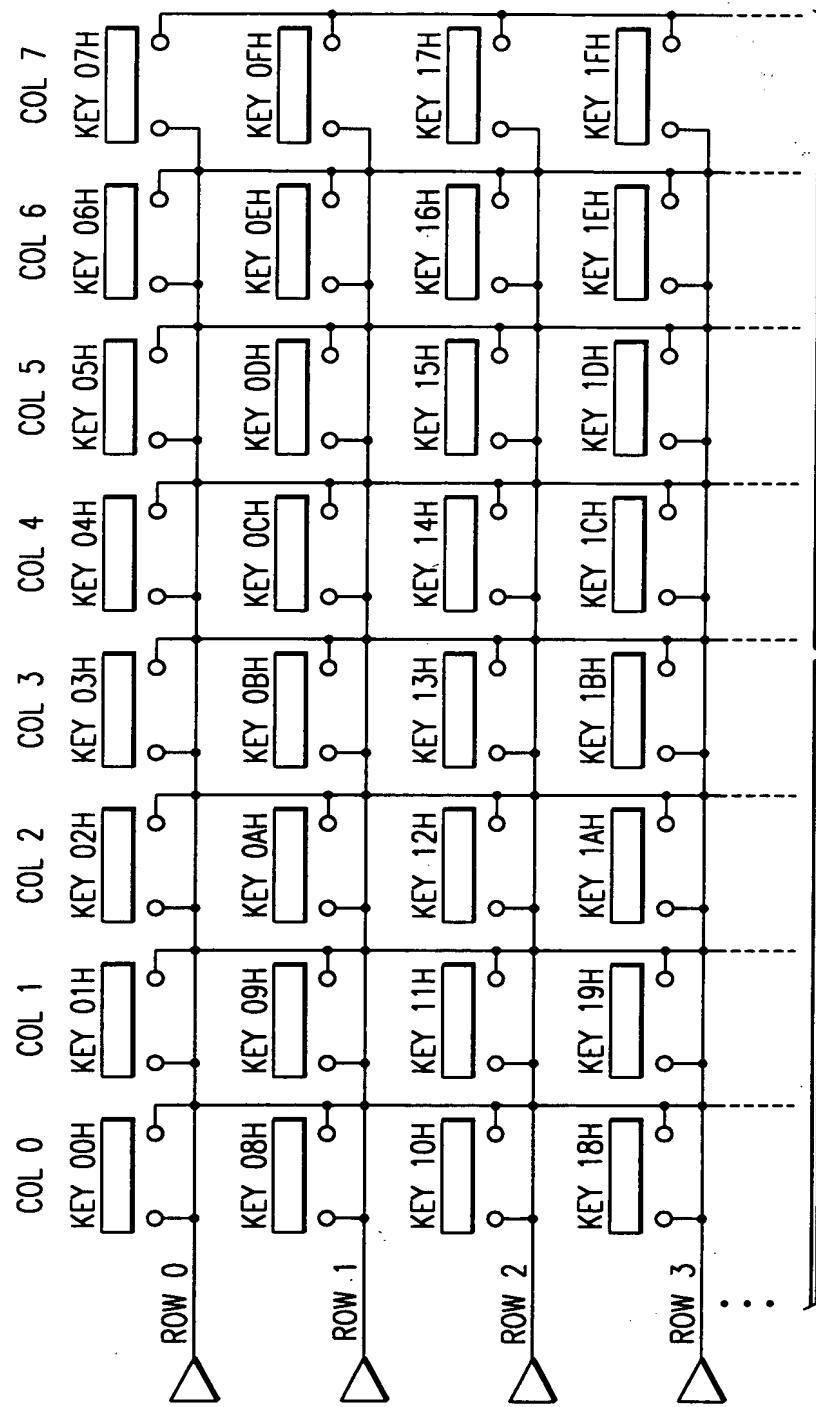


FIG. 9A



TO FIG. 9B-B

FIG. 9B-4

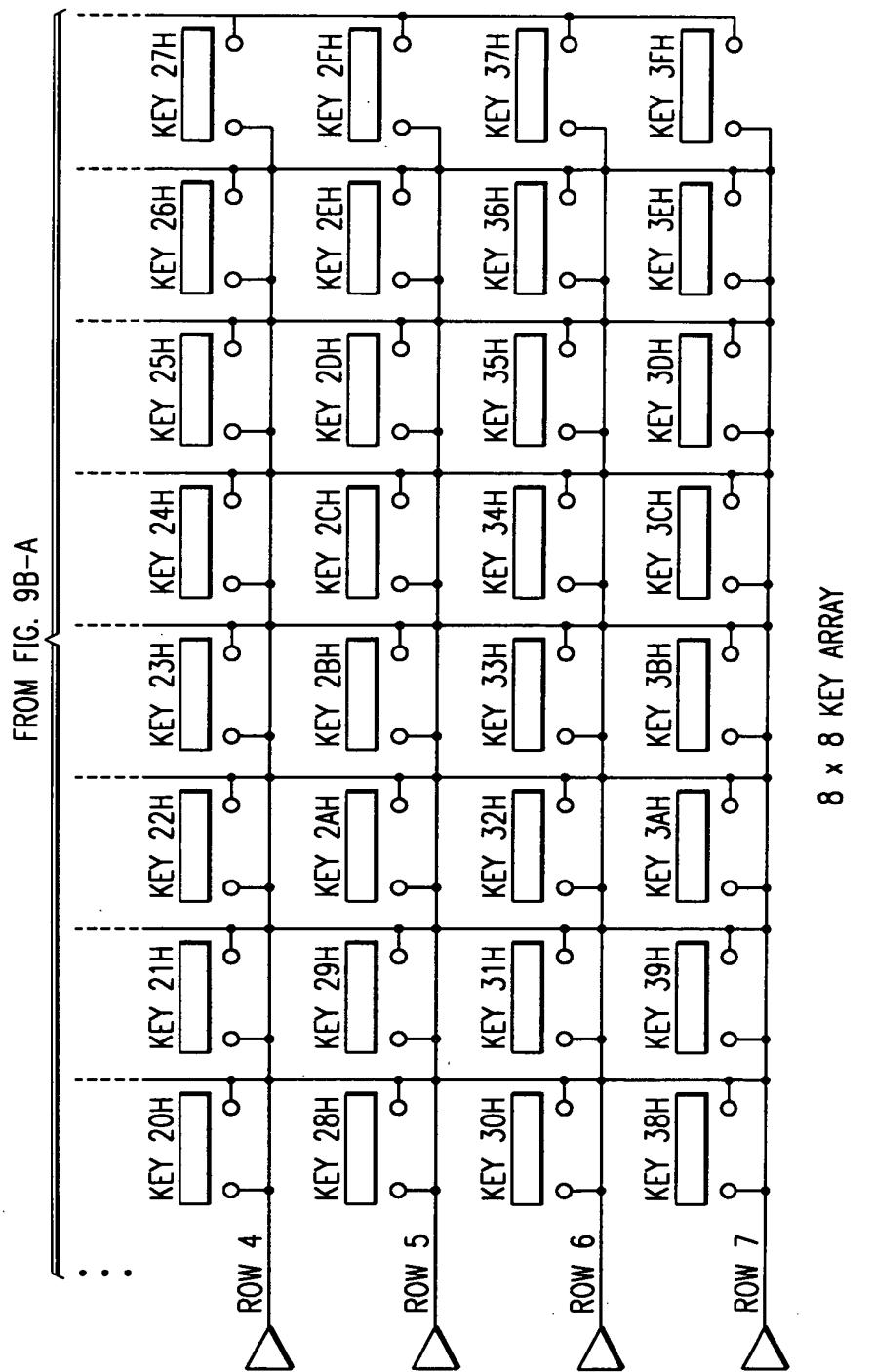


FIG. 9B-B

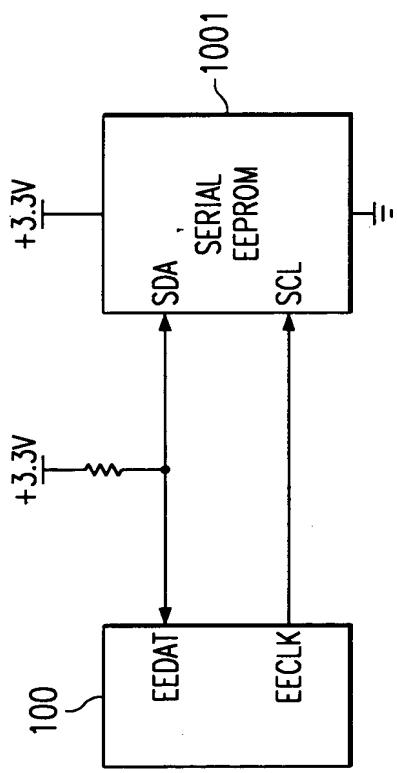


FIG. 10A

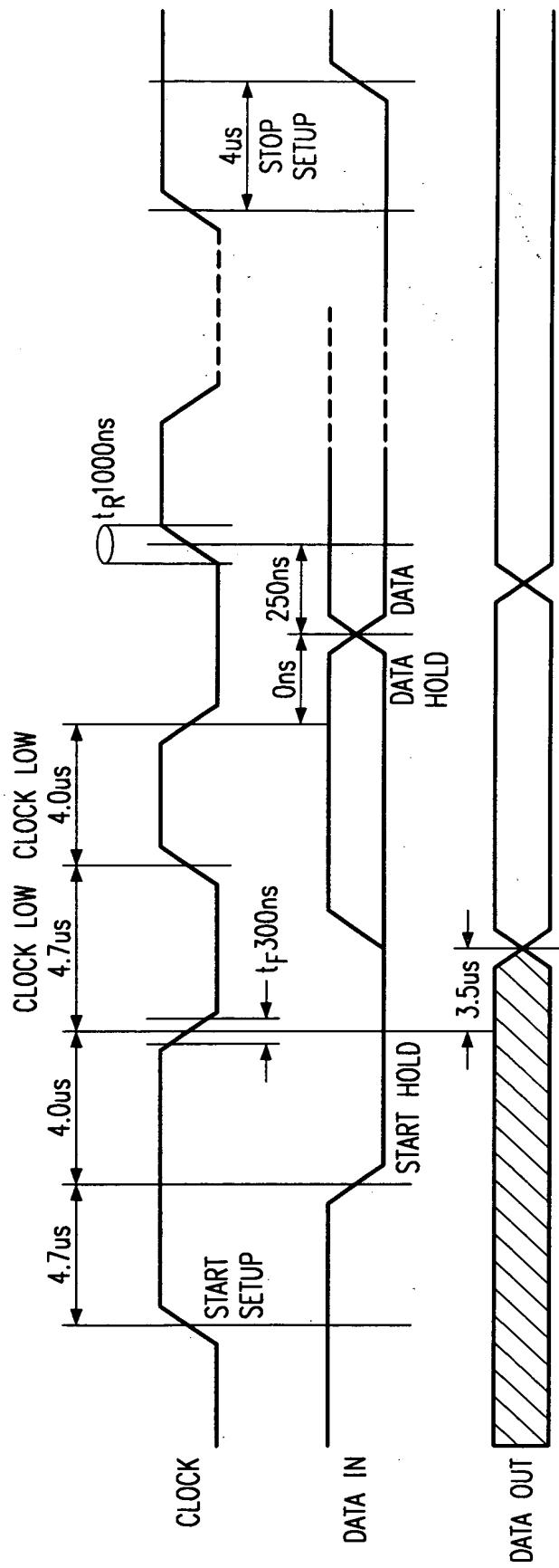
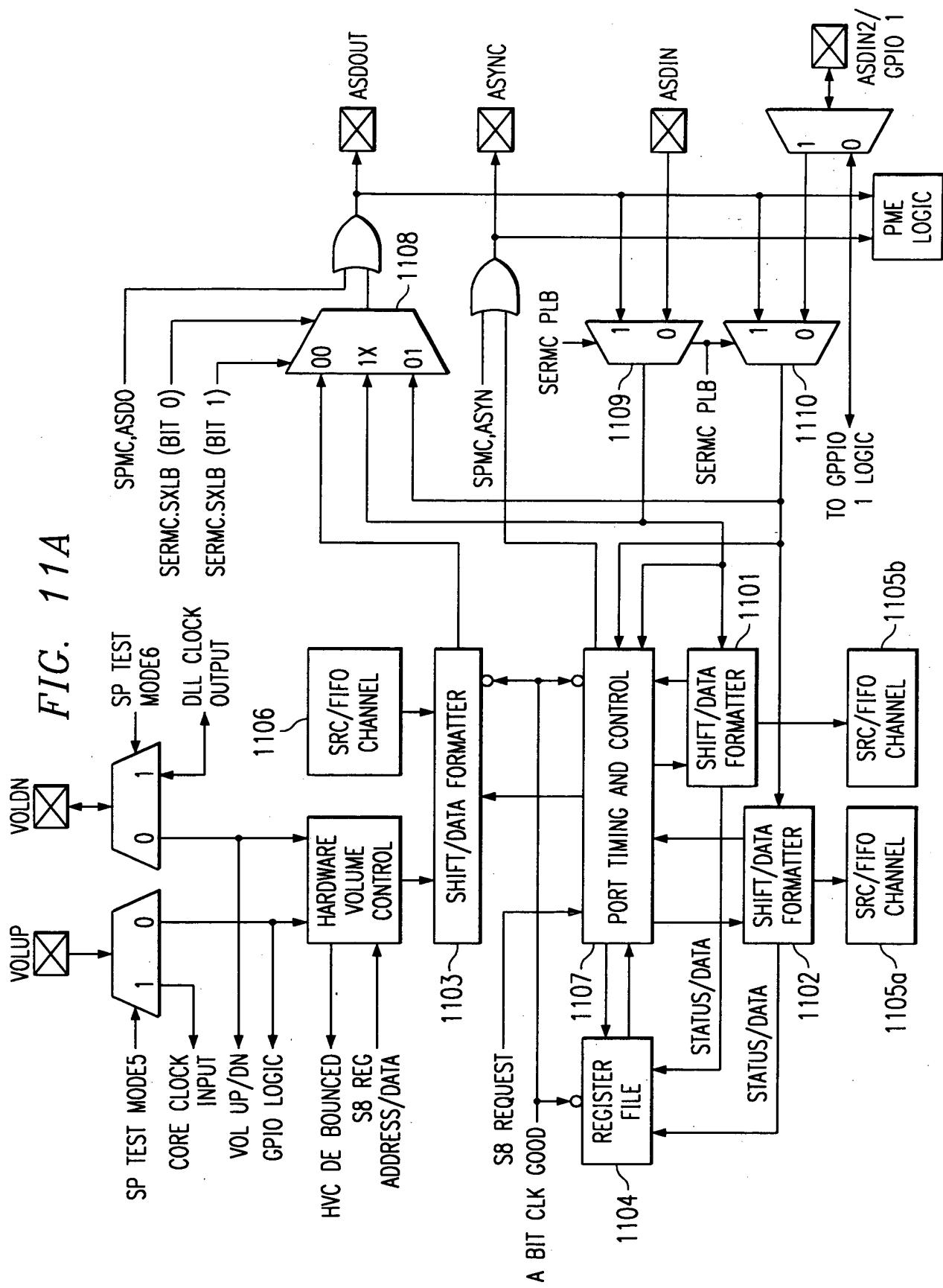


FIG. 10B

FIG. 11A



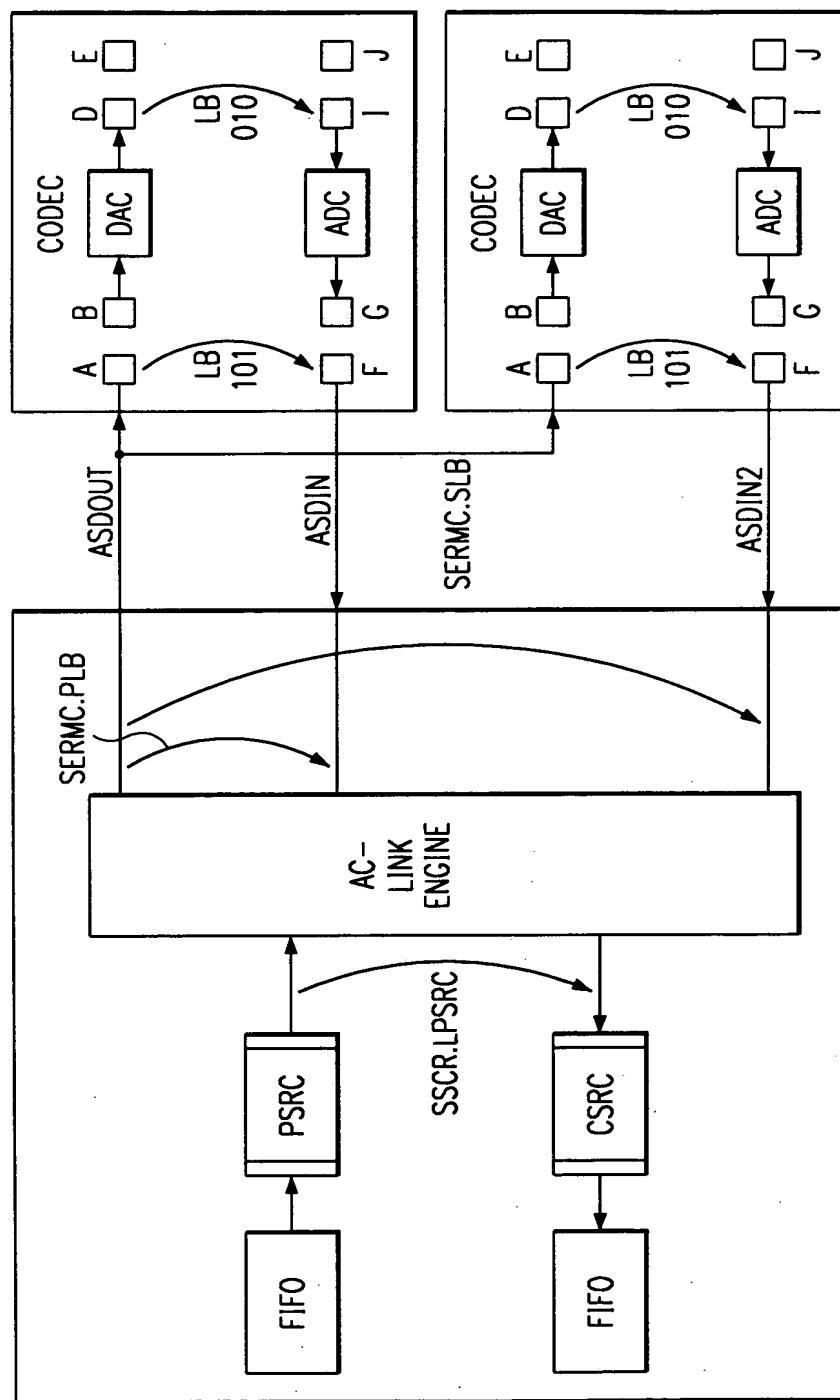


FIG. 11B

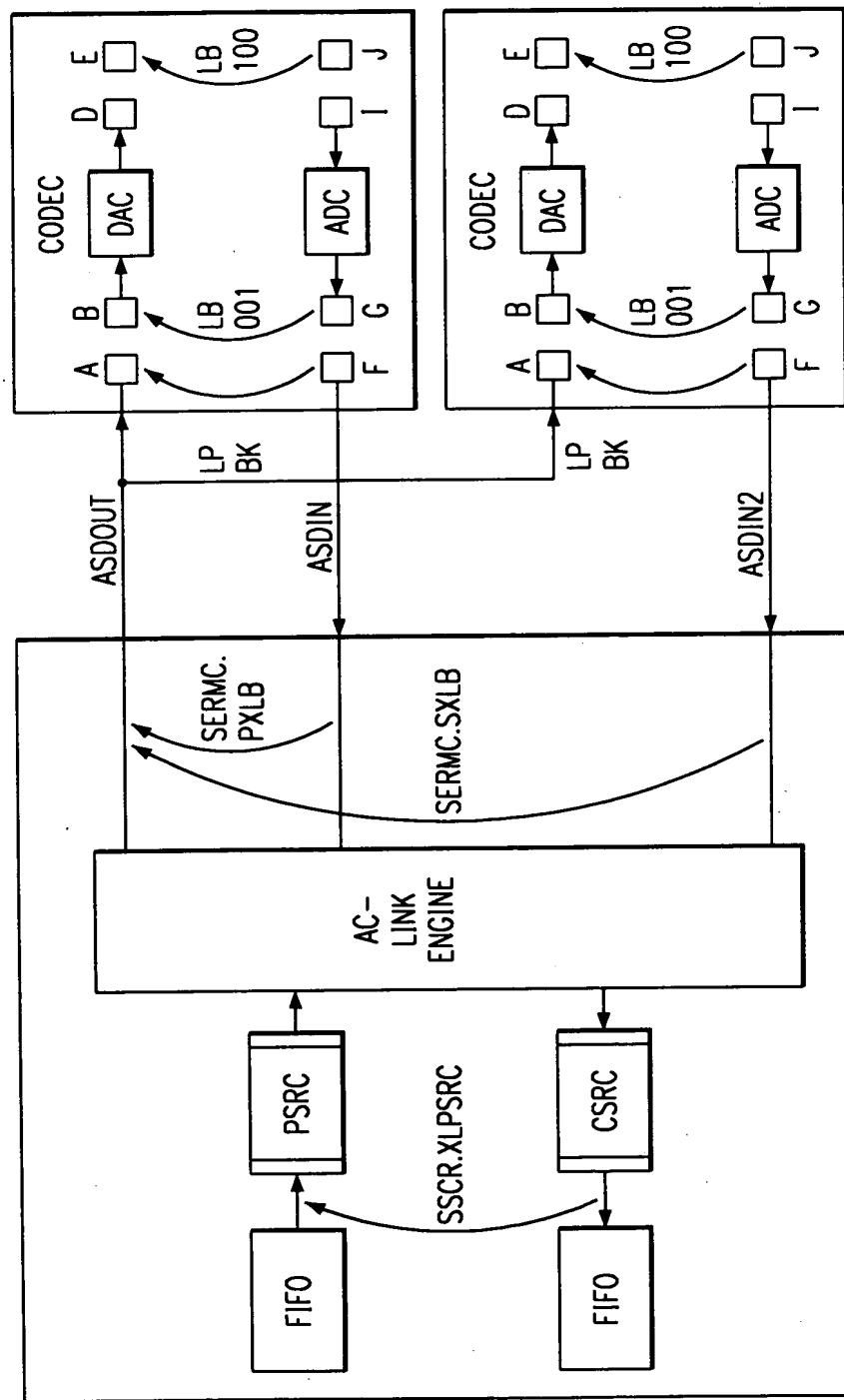


FIG. 11C

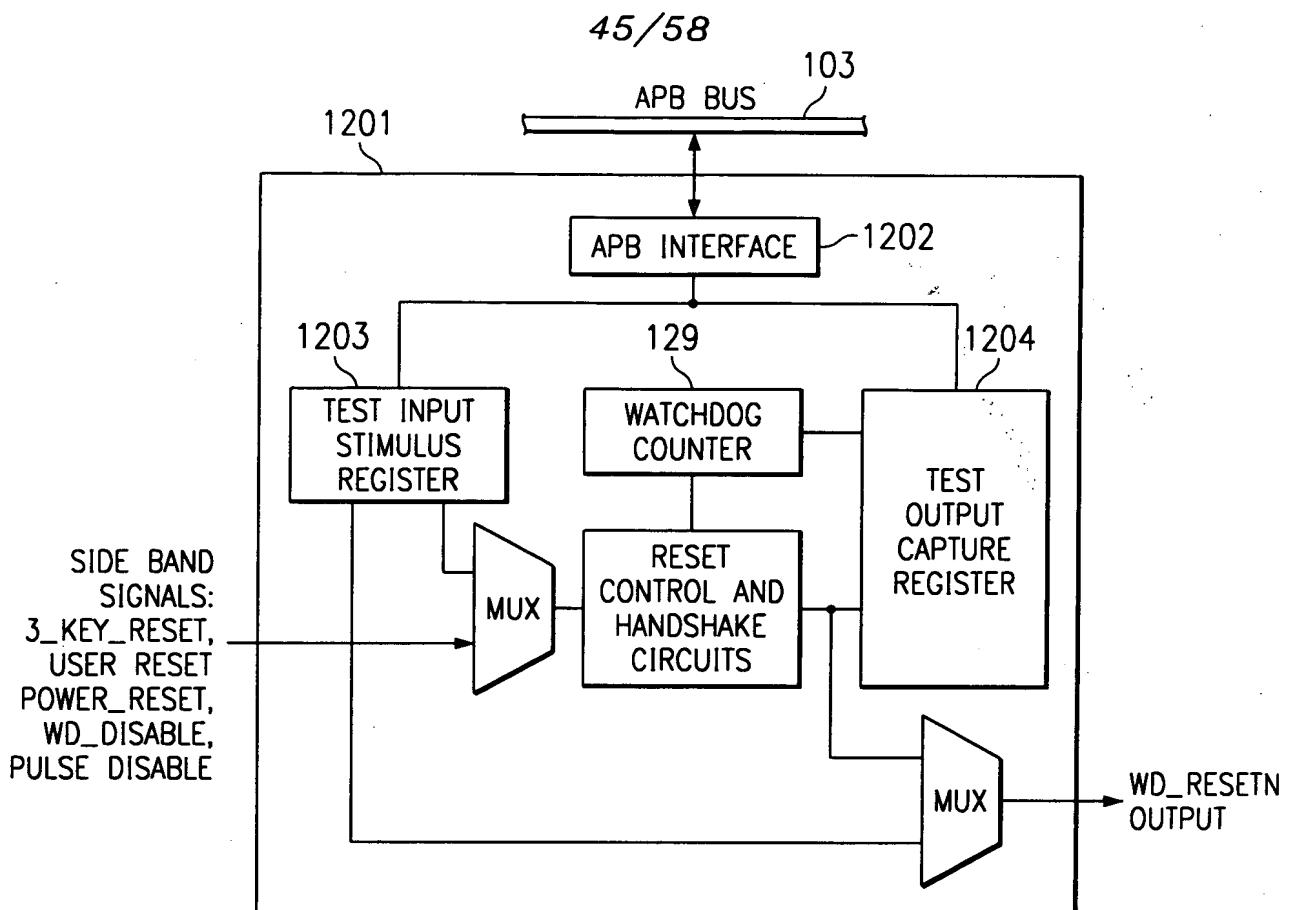


FIG. 12

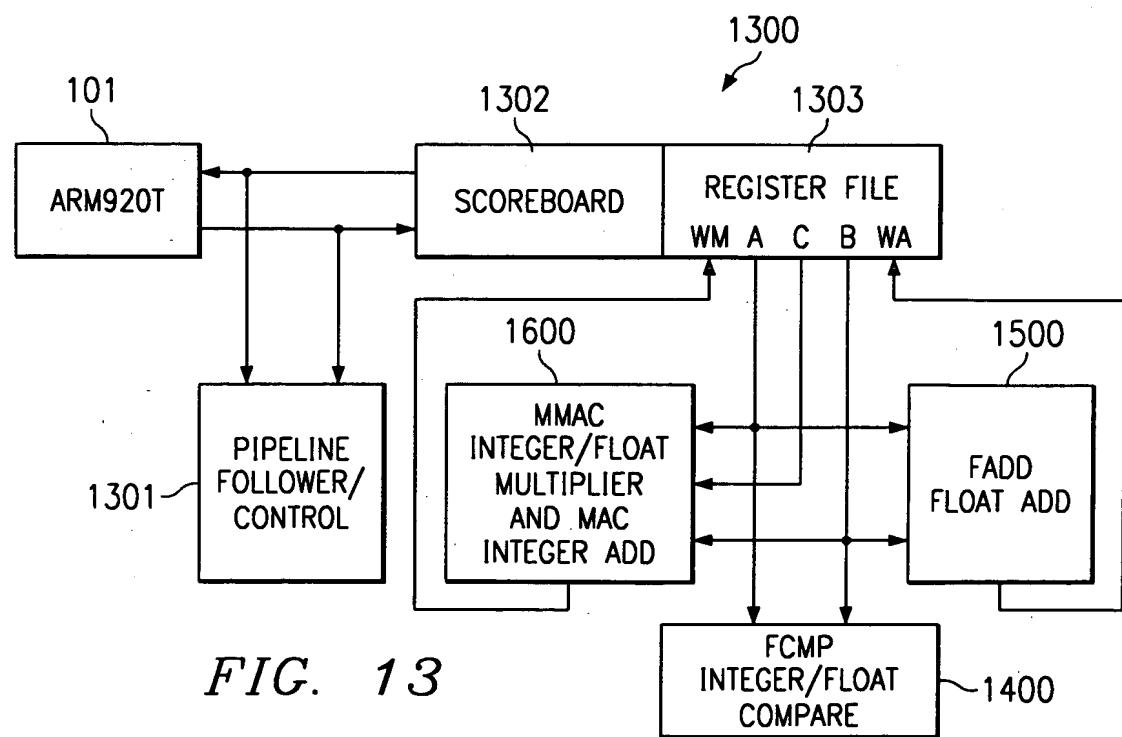


FIG. 13

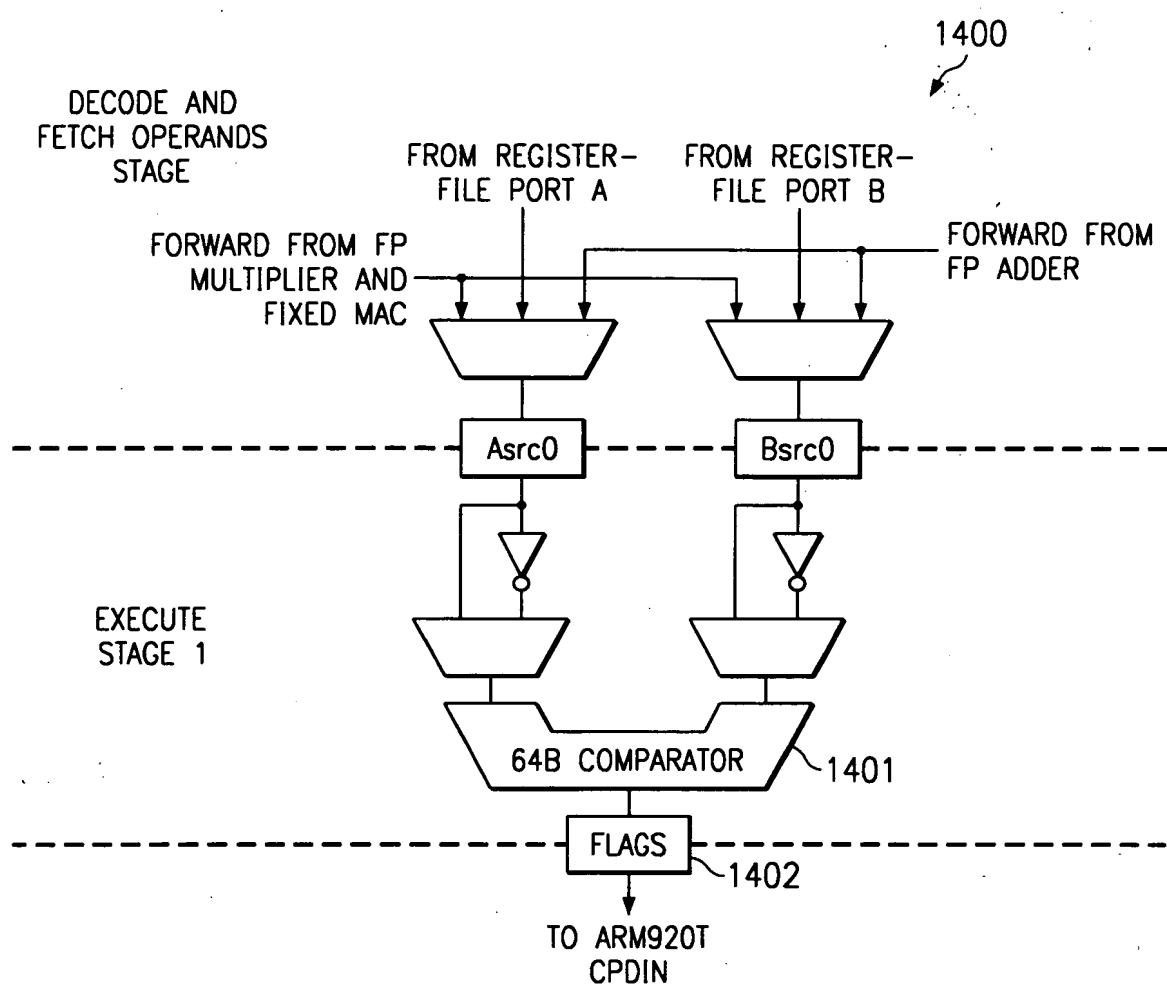


FIG. 14

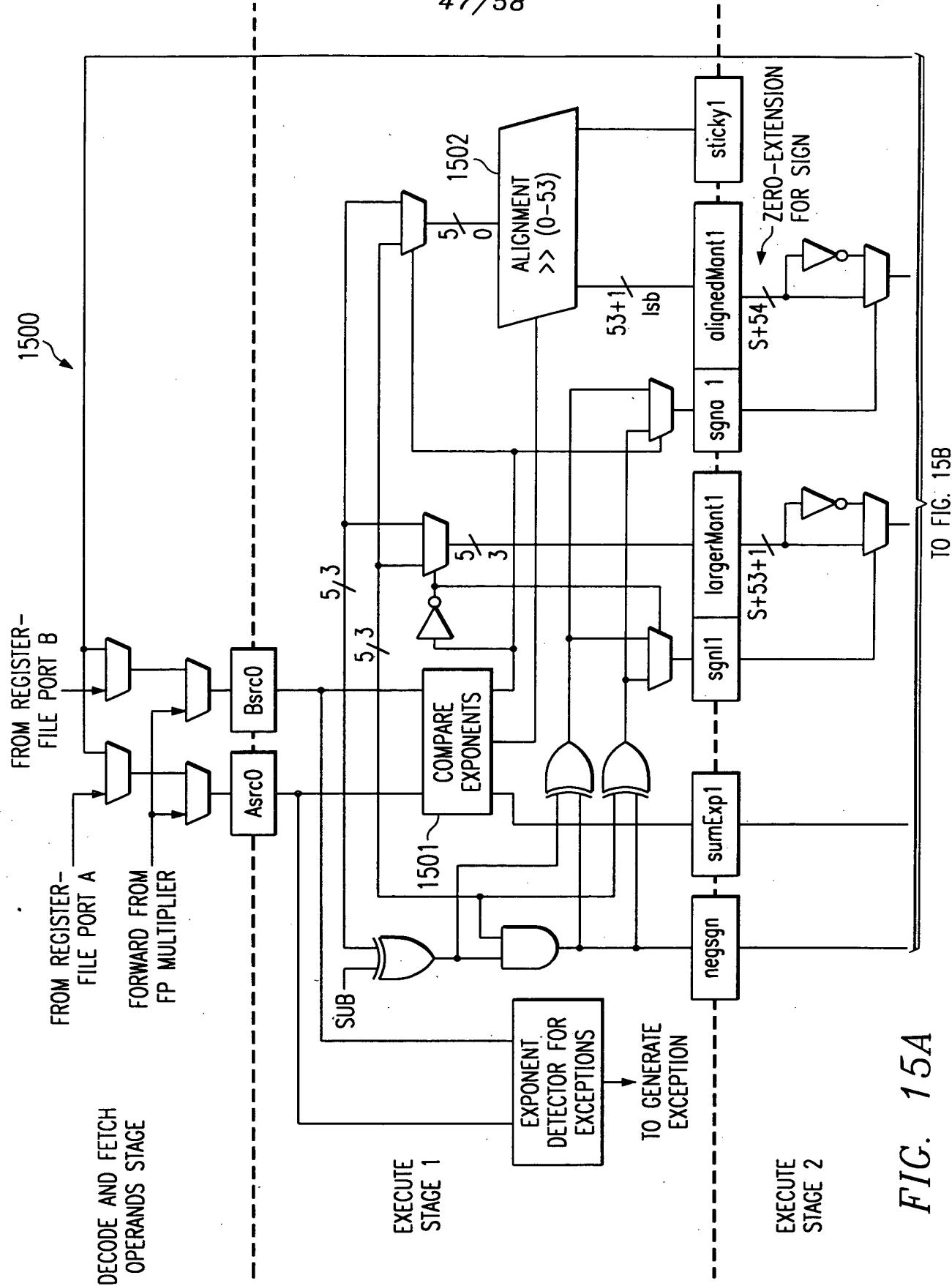
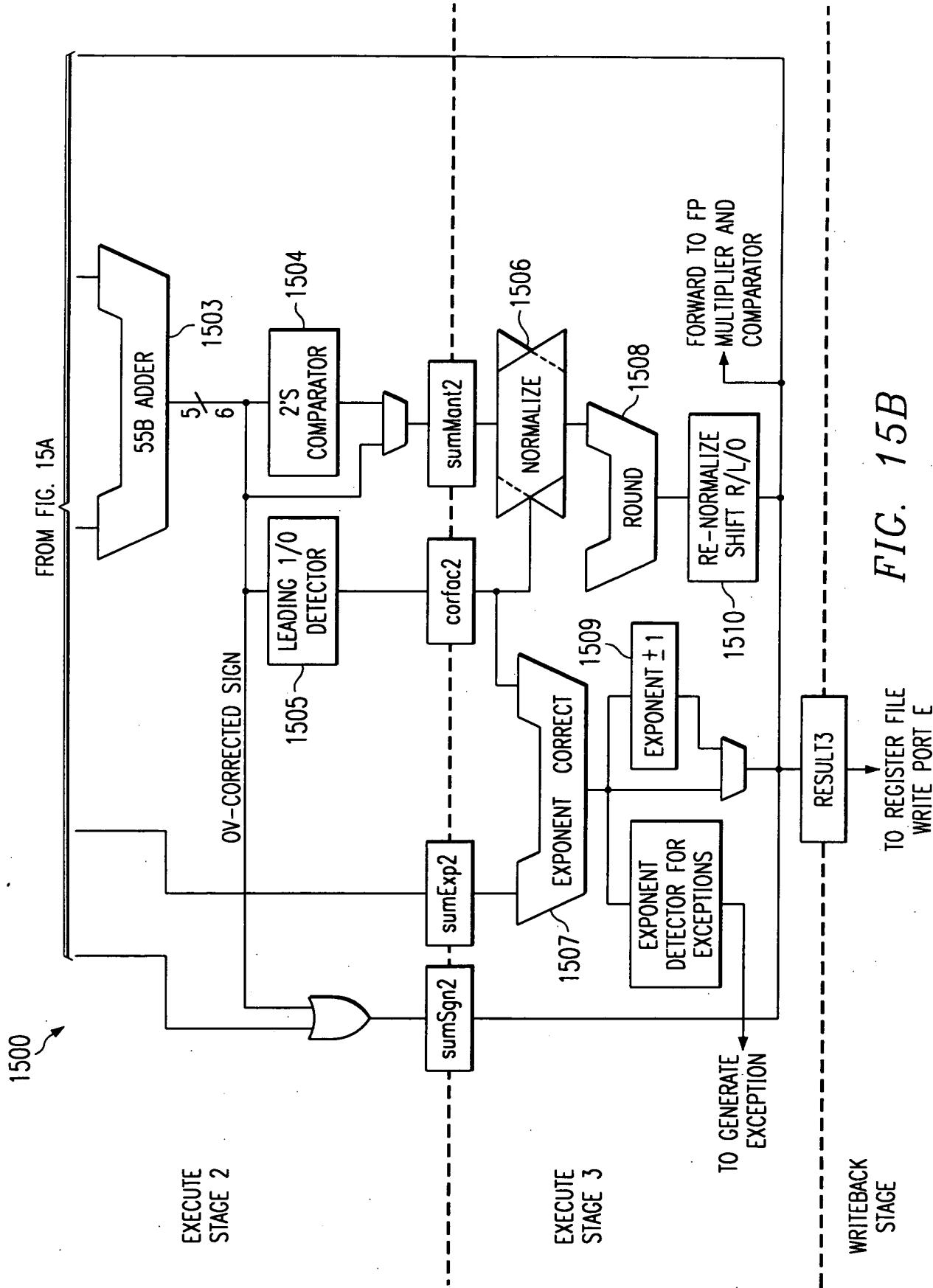


FIG. 15A

TO FIG. 15B



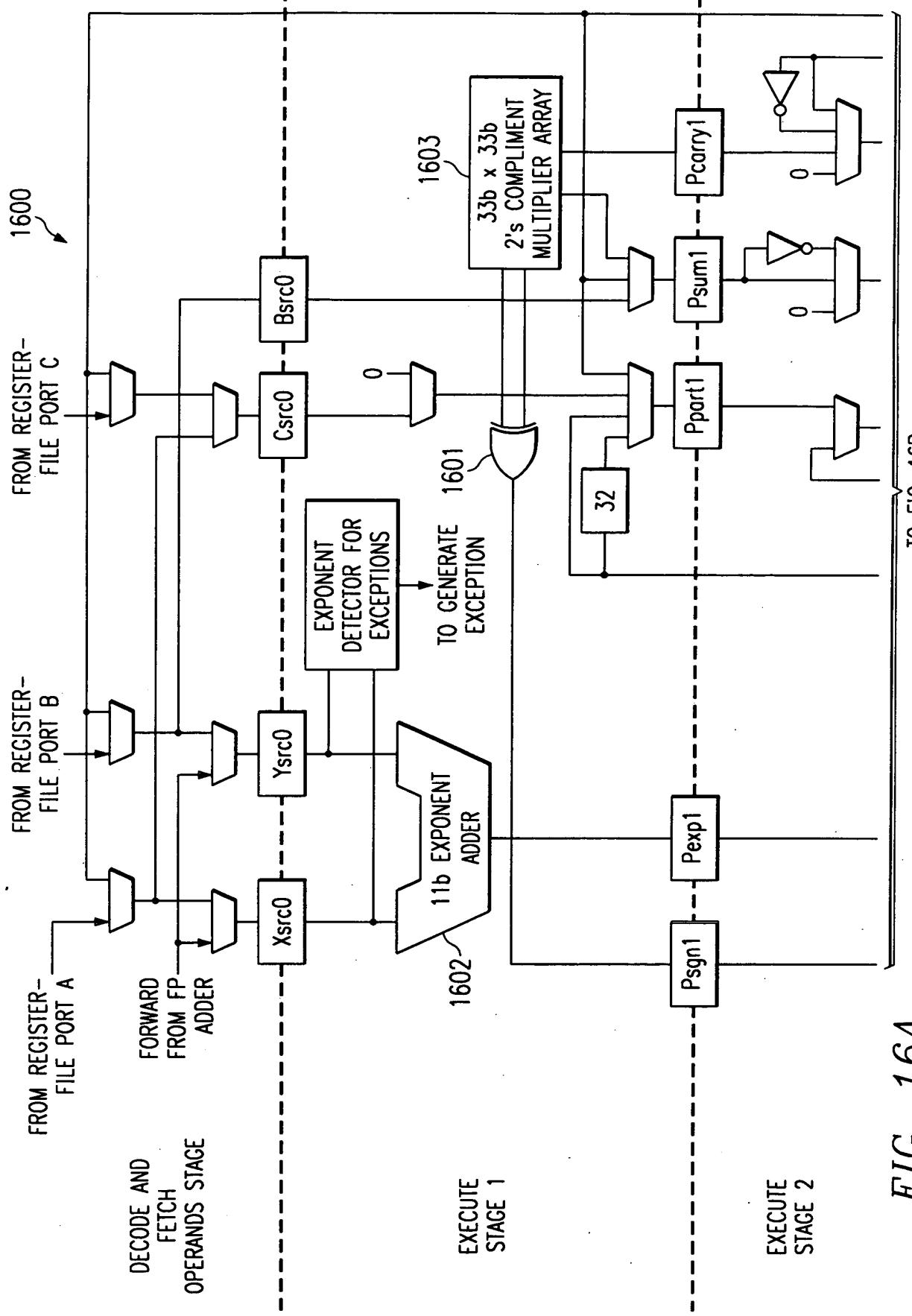


FIG. 16A

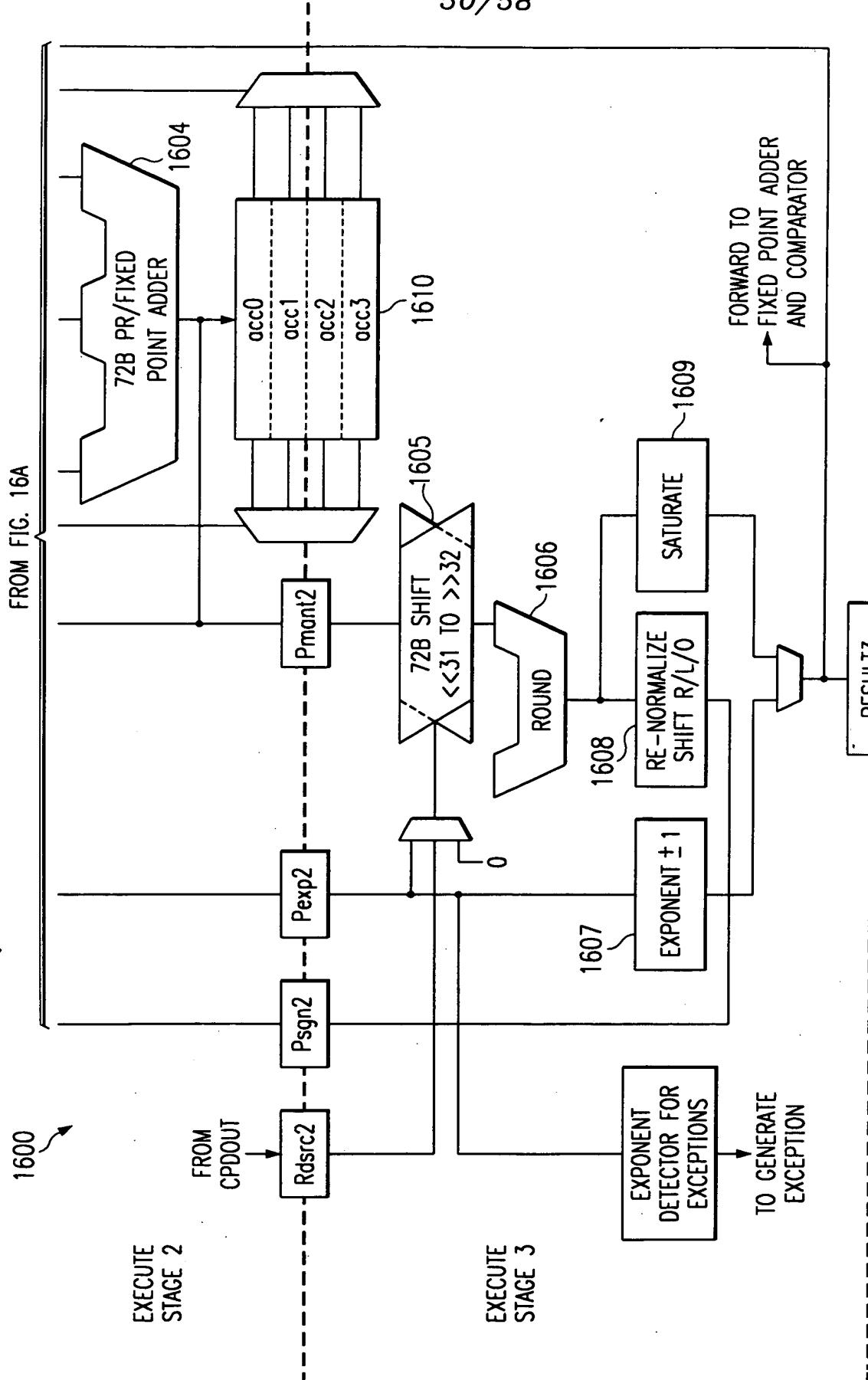


FIG. 16B

TO REGISTER FILE WRITE PORT D

WRITEBACK STAGE

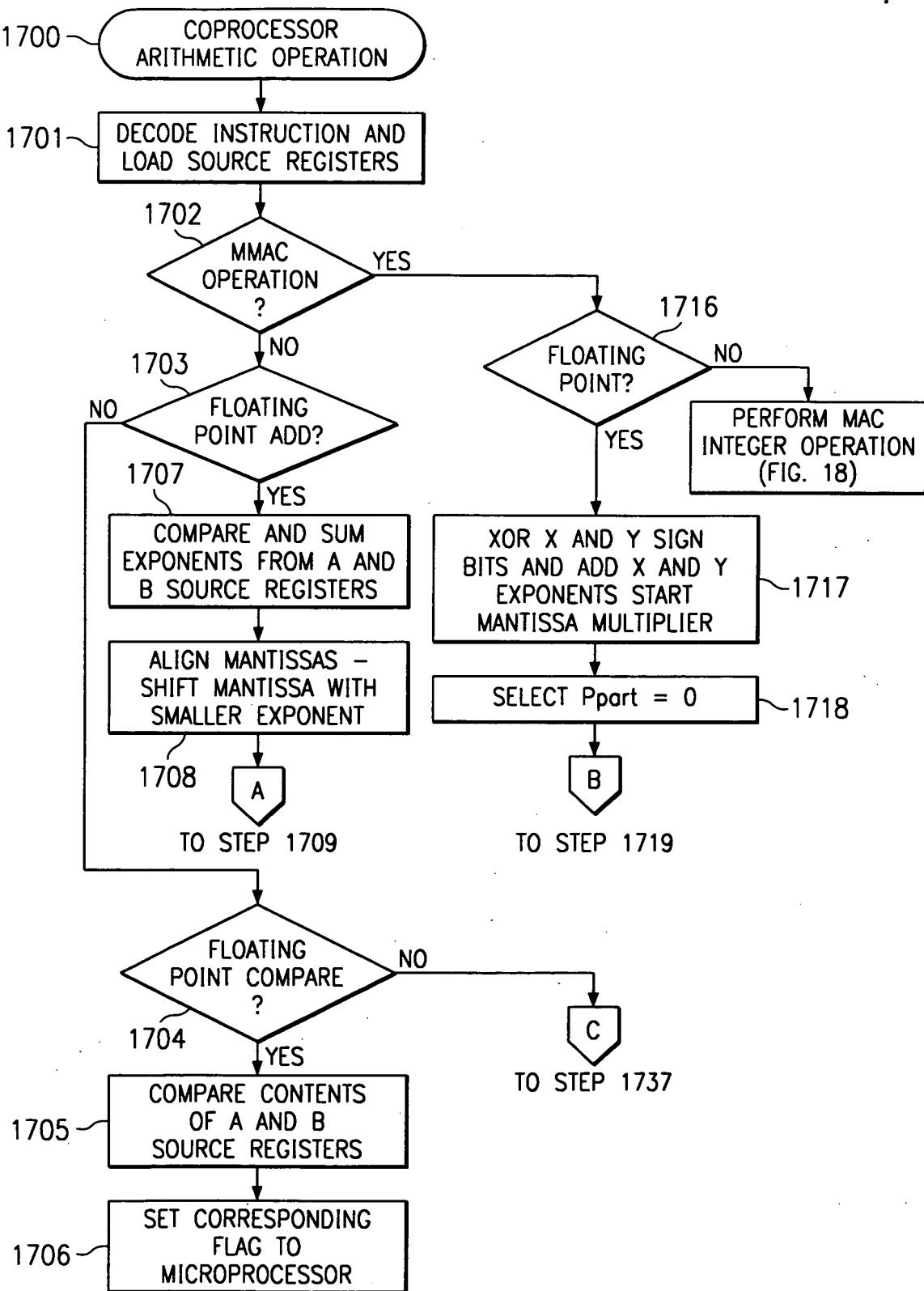
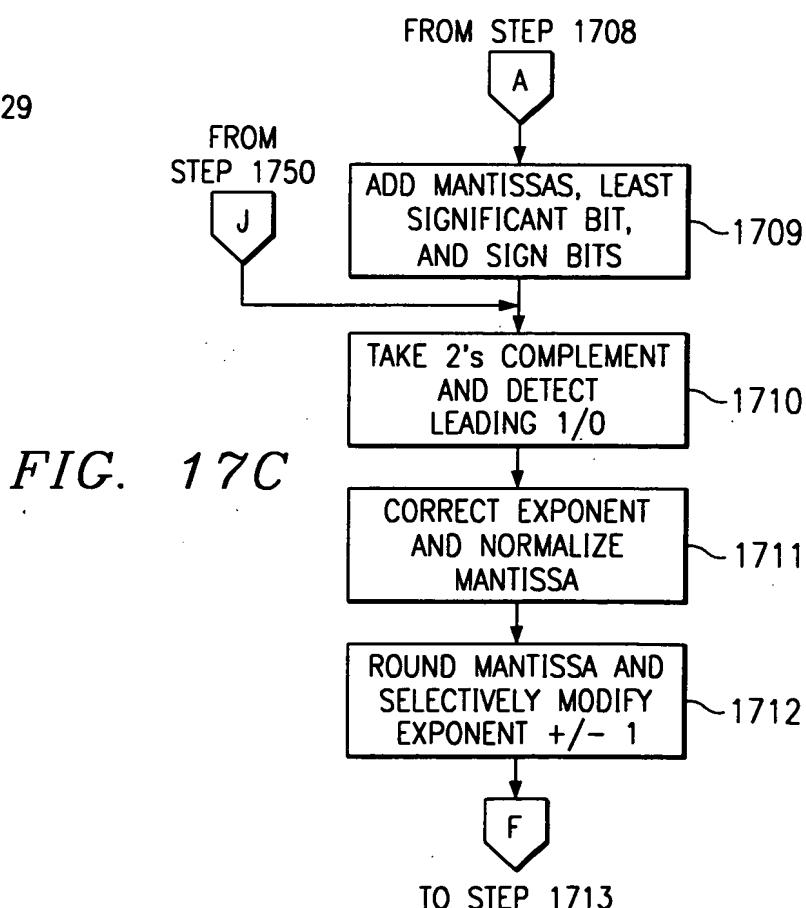
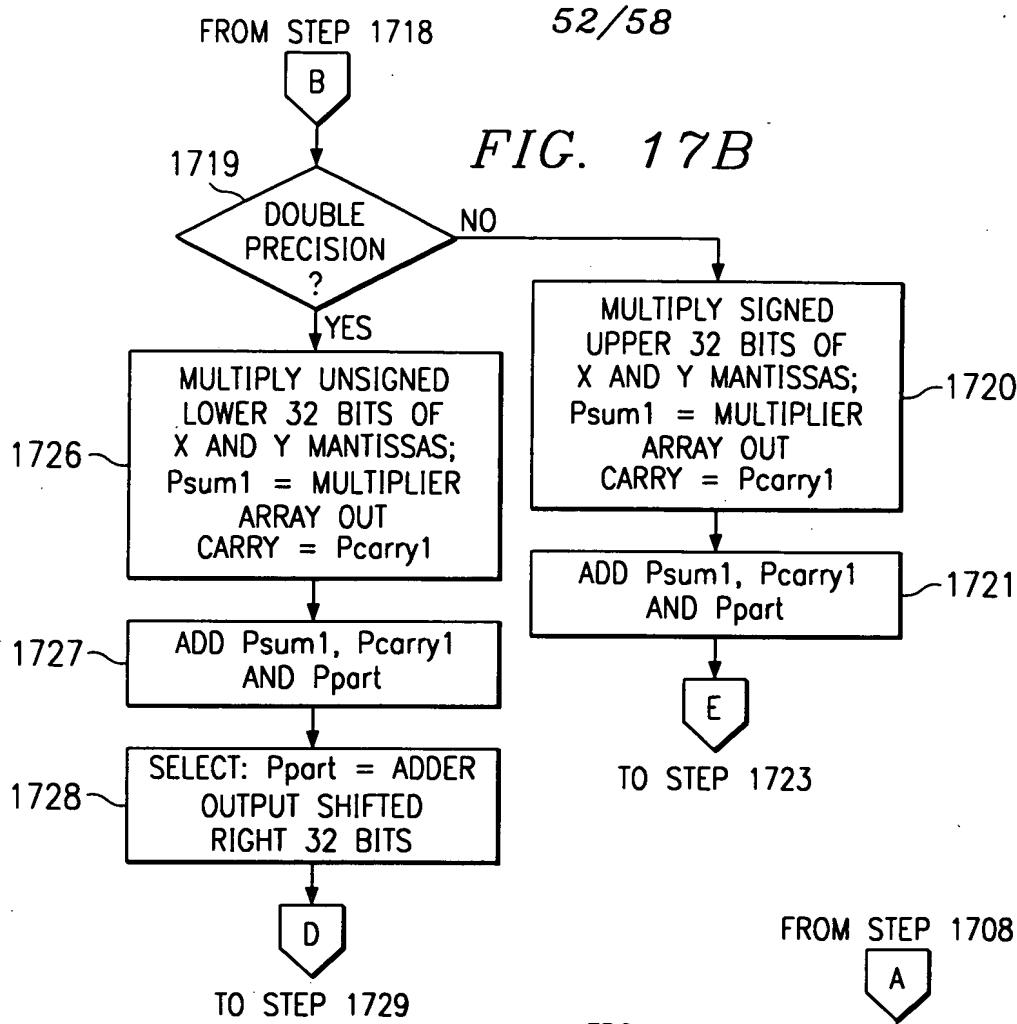
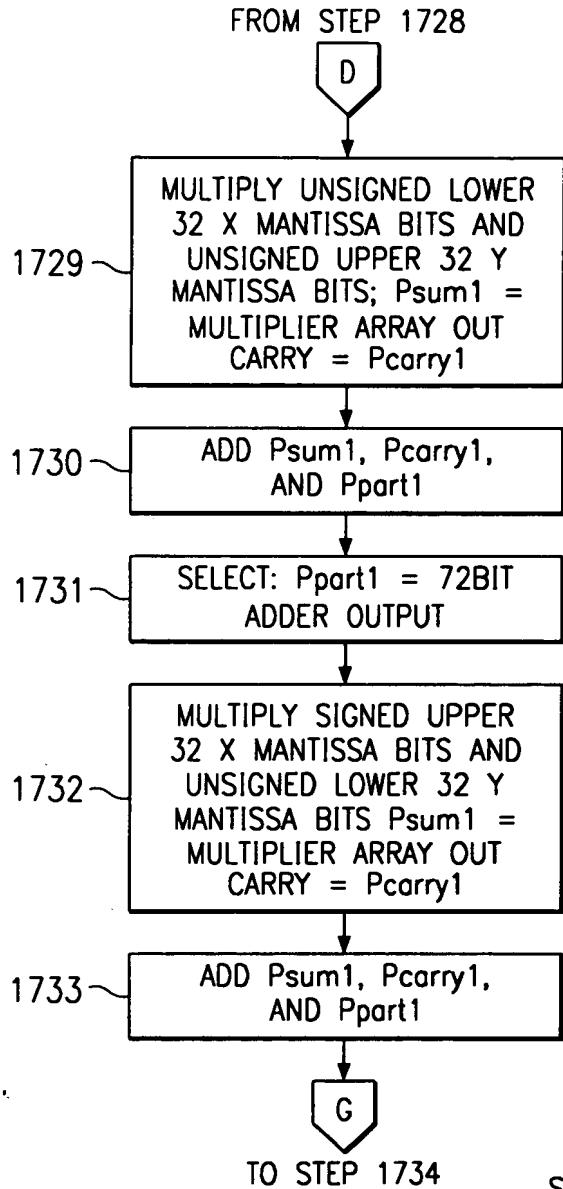
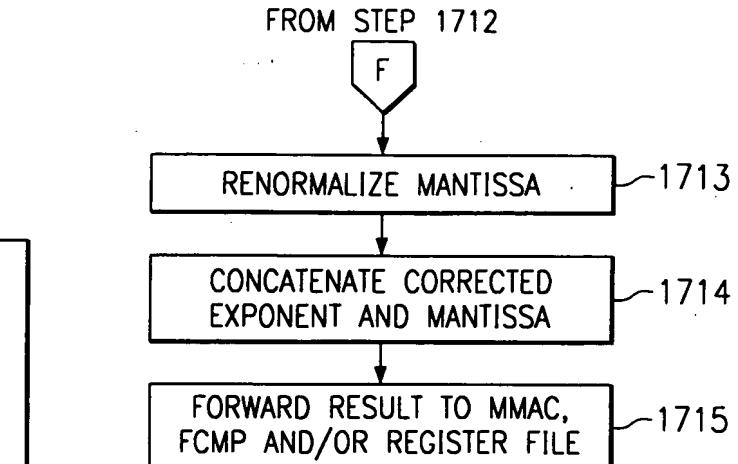
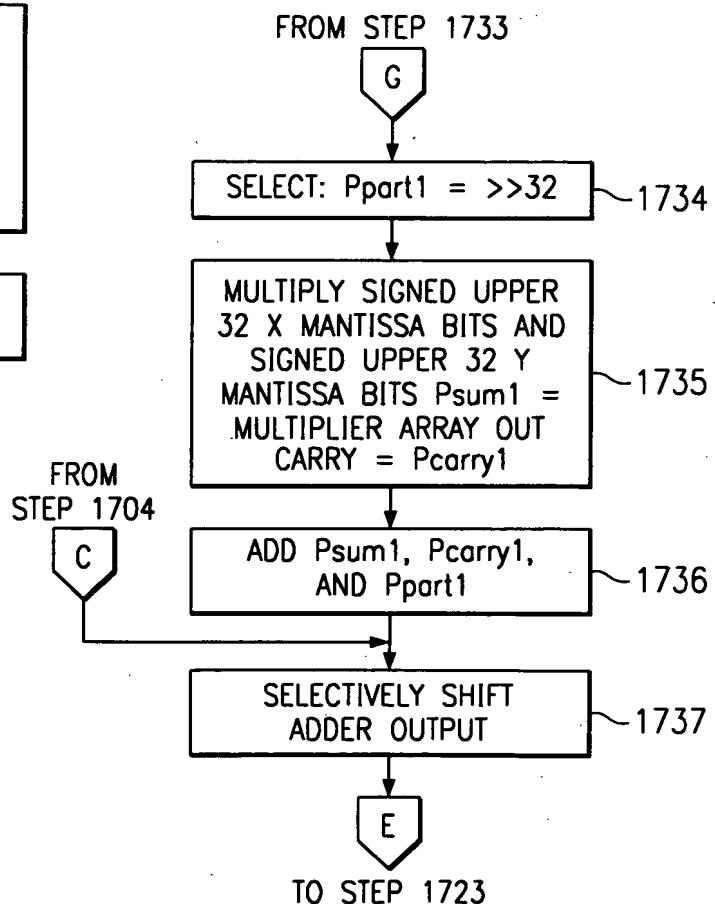


FIG. 17A



**FIG. 17D****FIG. 17E****FIG. 17F**

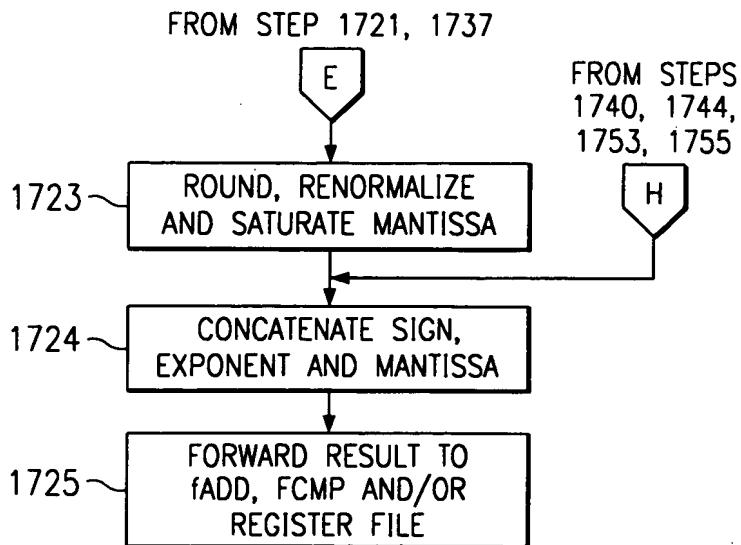


FIG. 17G

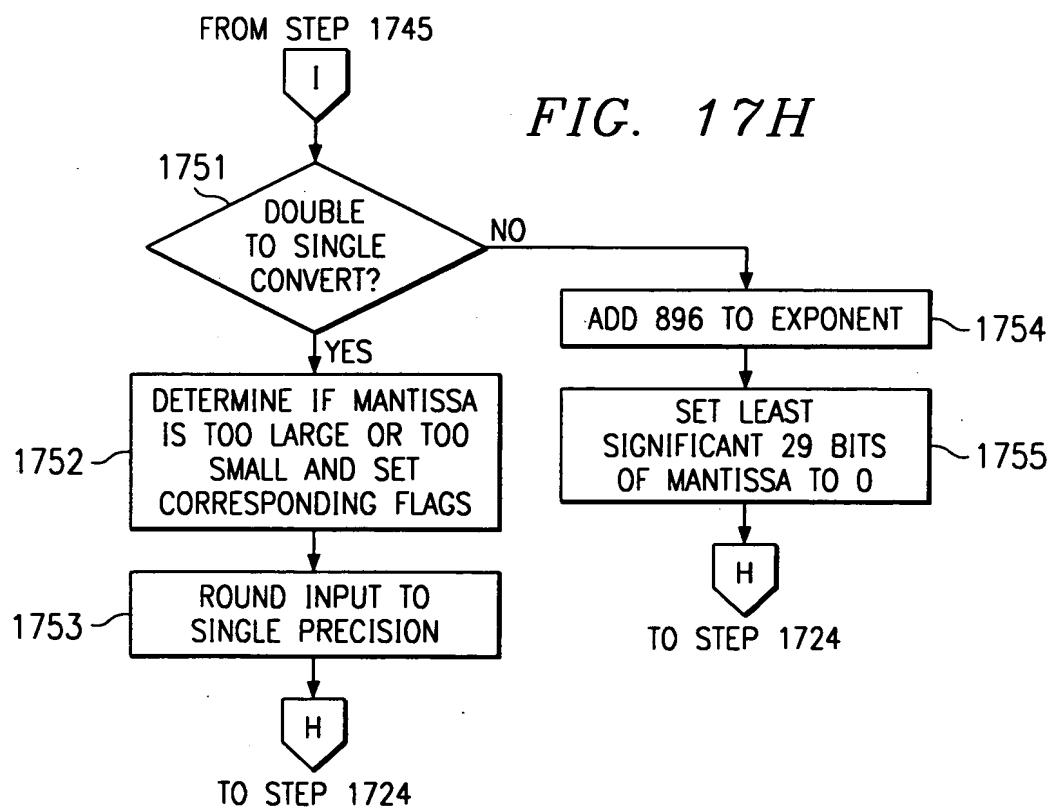


FIG. 17H

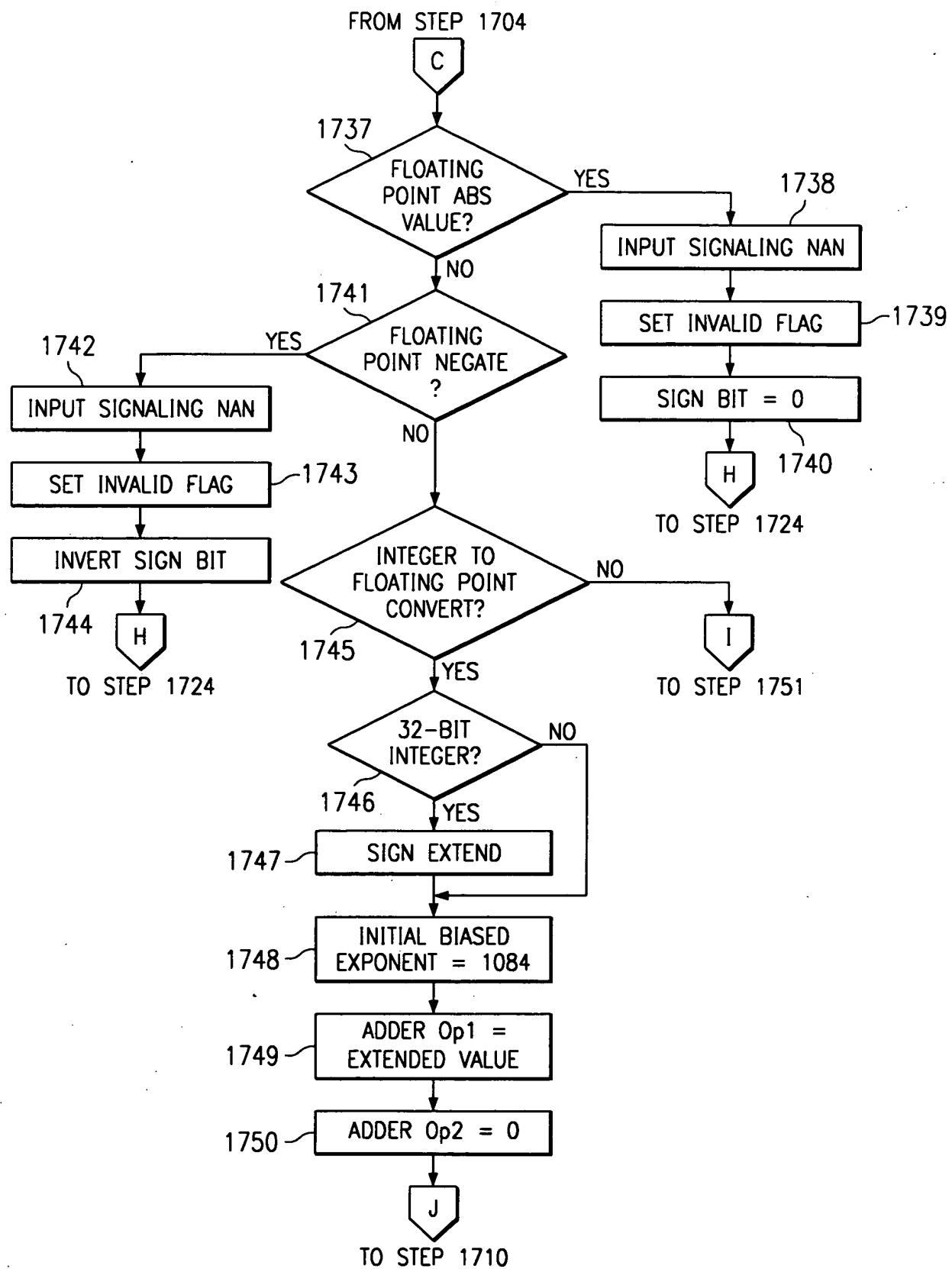
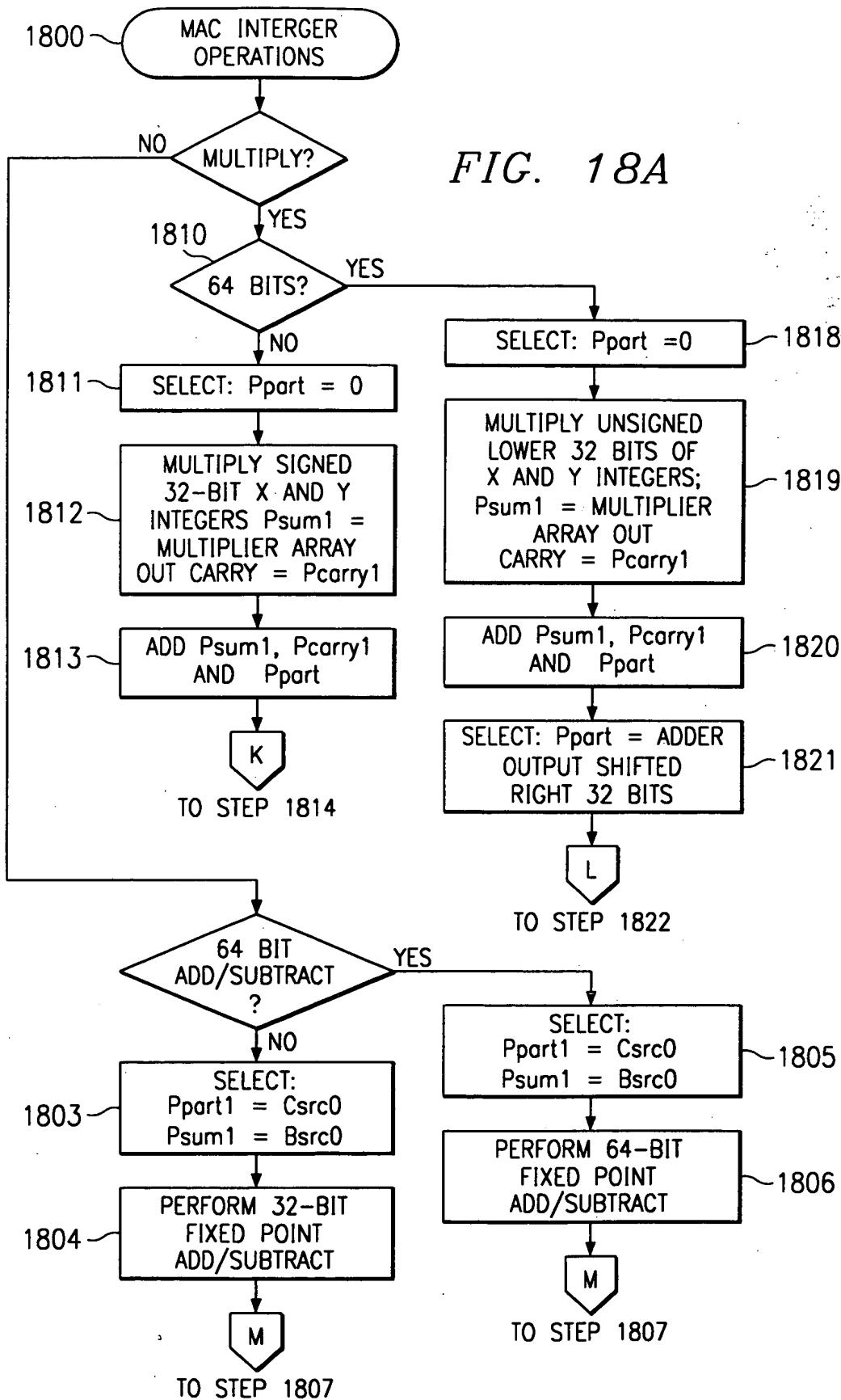


FIG. 17I

FIG. 18A



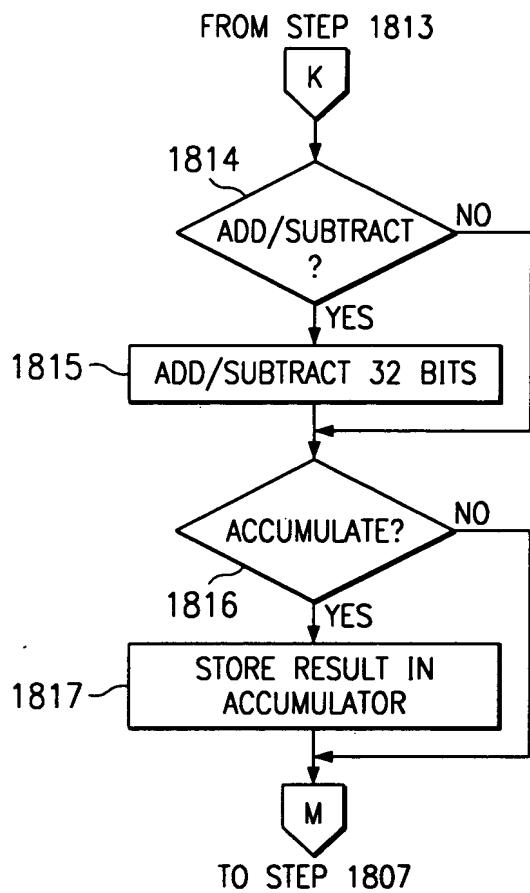


FIG. 18B

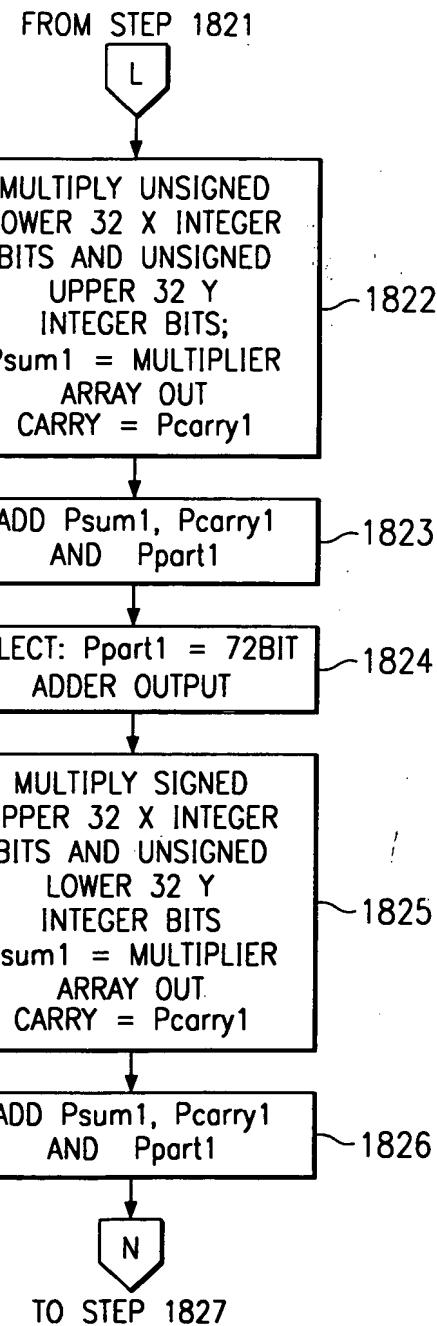


FIG. 18C

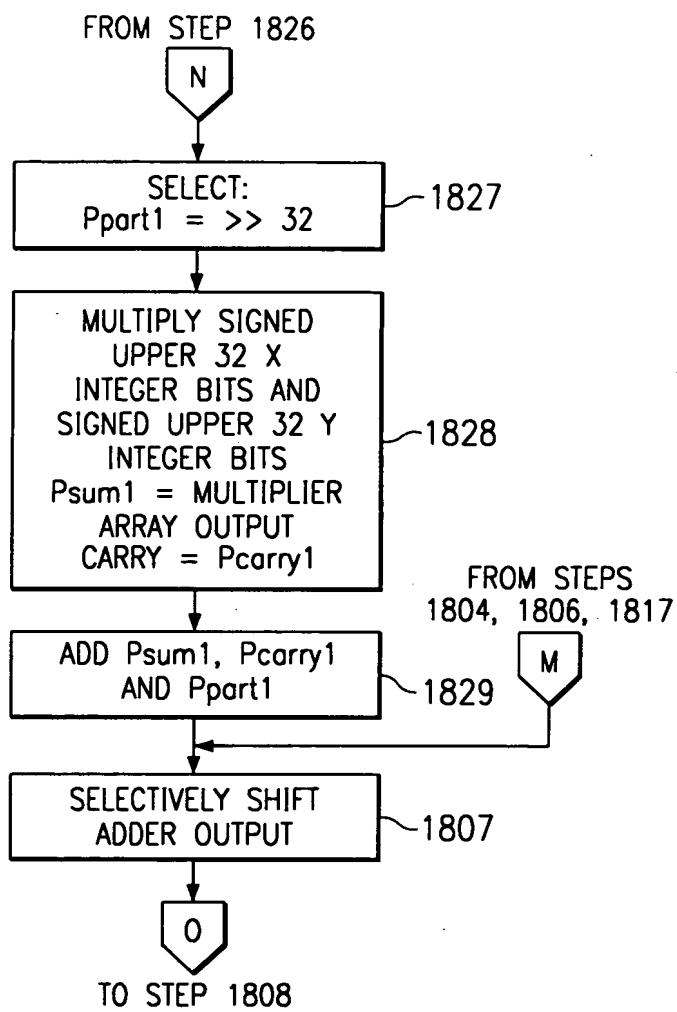


FIG. 18D

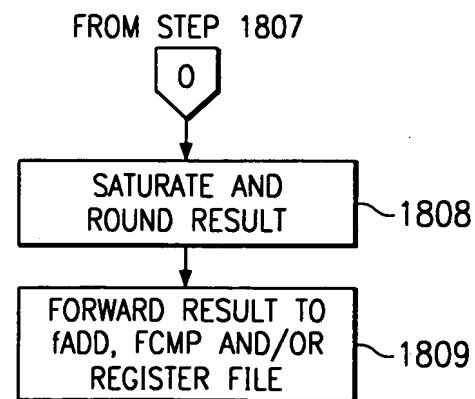


FIG. 18E